

Polyvinylpyrrolidone

| packaging | | Mfr. No |
|-------------|------------------|-----------|
| 100 g | PolyBottle | BP431-100 |
| 500 g | PolyBottle | BP431-500 |
| (C_6H_9N) | NO)n 003-39-8 | |

| Arsenic | <=0.0002% |
|---|------------------------|
| Ash | <=0.05% |
| Assay (dry basis) | >=95% |
| Heavy Metals (Pb) | <=0.001% |
| pH (5% in H ₂ O at Room Temperature) | 3.0-7.0 |
| Viscosity (at 23°C) | 1.2 to 1.3 Centistokes |
| | |

Applications: Polyvinyl Pyrrolidone is a component of Denhardt's Reagent, commonly used in nucleic acid hybridization procedures. Average Molecular Wt.:40.000 Recommended Storage: RT

| Protease From S. aureus, strain V8 | Pyridoxal Hydrochloride | |
|---|--|---------------------------|
| packaging Mfr. No | Off-white Powder | |
| 5 mg AmberGlass BP2674-5 | | |
| CAS: 9001-92-7 | packaging | Mfr. No |
| | 1 g AmberGlass | BP2675-1 |
| Cuaranteed analysis | 5 g AmberGlass | BP2675-5 |
| Activity From S aurous strain V/8 | 25 g AmberGlass | BP2675-25 |
| Activity FIOITI 5. duleus, straiii Vo | 100 g AmberGlass | BP2675-100 |
| Applications: Protease is an enzyme that will cleave peptide bonds on the carboxyl-terminal side of either aspartate or glutamate residues. Unit Definition: One unit will change A280nm 0.001 per minute at 37°C, pH 7.8, using casein as the substrate. Activity:500 units/mg | C ₈ H ₂ NO ₃ .HCl CAS: 65-22-5 MW: 203.62 | |
| Recommended Storage: -20°C | FTIR | Conforms to standard |
| 5 | Melting Point | |
| | pH (0.1% aqueous solution) | |
| | Solubility Test (0.1% aqueous solution, 15 min.) | Clear, colorless solution |
| | UV/VIS lambda max (water) | |

FTIR ... Purity

| Pyridoxal 5-Phosphate Monohydrate Off-white Crystalline Powder | | | |
|---|-------------------|-------------------|-----------|
| packag | ging | | Mfr. No |
| 1 g | AmberGlass | | BP2676-1 |
| 5 g | AmberGlass | | BP2676-5 |
| 25 g | AmberGlass | | BP2676-25 |
| C ₈ H ₁₀ N | NO ₆ P | EINECS: 200-208-3 | |

| C ₈ H ₁₀ NO ₆ P | EINECS: 200-208-3 |
|--|-------------------|
| CAS: 54-47-7 | |
| MW: 247.14 | |
| FTIR | |
| Purity | 98% |

Applications: Pyridoxal 5-Phosphate is useful for modifying lysyl and valyl residues in proteins. : Store below 0°C Re

| ecommended | Storage: | store | below | 0 | |
|------------|----------|-------|-------|---|--|
| | | | | | |

| | | packaging | | Mfr. No |
|-----------------------------------|--------------|----------------------------------|---------------------------------------|----------------|
| Sorbital | | 1 l AmberGlass | | BP1402-1 |
| SOLDICOL | | C ₃ H ₅ NO | H350, H302, H340, H317, H361f | |
| packaging | Mfr No | CAS: 79-06-1 | P280, P312, P302+P350, | |
| 500 a AmberGlass | RP439-500 | MW: 71.08 | P201, P308+P313, | |
| | 55 500 | H313, H319, H372, H311, | P260 | |
| CAS: 50 70 4 | | Acrylic Acid | | <=0.003% |
| CAS: 30-70-4 | | Conductivity (at 25°C) | | <=5µmhos/cm |
| IVIVV: 162.17 | | DNase | | Not detected |
| Arsenic | | Electrophoresis | | To pass test |
| Assay | 91.0-100.5% | pH (at 25°C) | | |
| Chloride (Cl) | <=0.005% | Protease | | Not detected |
| Heavy Metals (as Pb) (USP method) | <=0.001% | RNase | | Not detected |
| Reducing Sugars | To pass test | | | |
| Sulfate (SO₄) | <=0.01% | Applications: 40% Acrylamid | e Solution is made from 3X recrystall | ized |
| Total Sugar | To pass test | acrylamide and is suitable for | electrophoretic separation of protein | ns and nucleic |

Applications: Sorbitol is used in the preparation of isoelectric focusing gels. Recommended Storage: RT

Protein Electrophoresis | **Protein Chemistry**

Yeast DNA PFGE Markers

packaging

5 blocks PolyMicroTube

Mfr. No BP2659-40

Applications: For sizing DNA molecules from 225kb-1.9Mb. Consists of the 16 chromosomes of Saccharomyces cerevisiae YNN295. Supplied in 100µl agarose (0.5%) blocks in 1% lauroyl sarcosine, 0.5M EDTA (pH 9.0); each block contains 3µg DNA from 2 x 105 cells. Recommended Storage: -20°C Not on TSCA inventory: for R and D use only; not for manufacturing or commercial purposes.

Applications: Pyridoxal Hydrochloride is useful for labeling amino acids and for their detection in the picomole range. Recommended Storage: 0°C, desiccate, protect from light.

| Acry | lami | de | Sol | ut | on |
|------|------|----|-----|----|----|
| 40% | | | | | |

BP1402 is made from Acrylamide that meets BP170 specifications. **Recommended Storage:** 4°C UN 2810; DOT Class 6.1:Poison

Electrophoresis

Fisher BioReagents* EZ-Run* Protein Marker

Mixture of seven purified proteins optimized to produce uniform, compact bands when analyzed by SDS-PAGE and stained with Coomassie* Blue

- ► Supplied in gel loading buffer for direct application to SDS-PAGE gels
- Ideal for molecular weight determination of polypeptides analyzed in various gel systems

STORAGE CONDITIONS: Store at -20°C.

| | Purifi | ed proteins contained in Ma | arker |
|--------------------------|--------------------|-----------------------------|------------------------|
| Protein | | Source | Molecular Weight (kDa) |
| β-galactosida | se | E. coli | 116.0 |
| Bovine serum | albumin | Bovine plasma | 66.2 |
| Ovalbumin | | Chicken egg white | 45.0 |
| Lactate dehyd | rogenase | Porcine muscle | 35.0 |
| Restriction en | donuclease Bsp98 | 1 E. coli | 25.0 |
| β-lactoglobuli | in | Bovine milk | 18.4 |
| Lysozyme | | Chicken egg white | 14.4 |
| Molecular Weight Rang | No. of Bands ge | Quantity | MFR No. |
| 14.4 to | 7 | 500µL (100 loadings) | BP3600-500 |

| 14.4 to | 7 | 500µL (100 loadings) | BP3600-50 |
|----------|---|--------------------------|-----------|
| 116.0kDa | | 2 × 500µL (200 loadings) | BP3600-1 |
| | | | |

Fisher BioReagents* EZ-Run* Prestained Protein Marker

Ideal for monitoring protein separation during electrophoresis without staining and for verifying electroblotting of proteins onto membranes

- · Comprised of six purified proteins covalently coupled to a blue chromophore
- Optimized to produce well-defined blue bands after SDS-PAGE
- Supplied in gel loading buffer

APPLICATIONS: The Prestained Protein Marker is designed for monitoring protein separation during electrophoresis without staining. It is also used to verify electroblotting of proteins onto membranes.

STORAGE CONDITIONS: Store at -20°C.

NOTE: The covalently coupled chromophore affects protein mobility; this prestained marker should only be used for approximating the molecular weight of separated proteins

| Puri | fied proteins contained in Ma | rker |
|-----------------------|-------------------------------|------------------------|
| Protein | Source | Molecular Weight (kDa) |
| β-galactosidase | E. Coli | 118.0 |
| Bovine serum albumin | Bovine plasma | 87.0 |
| Ovalbumin | Chicken egg white | 49.0 |
| Lactate dehydrogenase | Bovine erythrocytes | 35.0 |
| β-lactoglobulin | Bovine milk | 26.0 |
| Lysozyme | Chicken egg white | 20.0 |

| Molecular Weight Range | No. of Bands | Quantity | MFR No. |
|---------------------------|--------------|--------------------------|------------|
| 20 to 118kDa | 6 | 500µL (100 loadings) | BP3601-500 |
| | | 2 × 500µL (200 loadings) | BP3601-1 |

Fisher BioReagents* EZ-Run* Rec Protein Ladder

Mixture of 14 highly purified recombinant proteins optimized for precise sizing of proteins by SDS-PAGE and Western blotting

Ladder is ideal for precise molecular weight determination of polypeptides in denaturing PAGE and Western blots

kDa

- 116.0

- - 662

-45.0

- - 35.0

- -25.0

12%-505 FMLE

BP3600-500

kDa

.....

- 118.0

87.0

49.0

35.0

26.0

20.0

12% 505-PAGE

BP3601-1

-- 18.4

--144

- Each protein contains an integral Strep-tag* II sequence1 and may be detected on Western blots using Strep-Tactin*-AP conjugate² or an antibody against
- Strep-tag II ► 50kDa protein band has greater intensity than other bands to serve as a reference
- Supplied in gel loading buffer

STORAGE CONDITIONS: Store at -20°C.



BP3602 Series

| Molecular Weight Range | No. of Bands | Quantity | MFR No. |
|-----------------------------|------------------|---|---------------|
| 10 to 200kDa | 14 | 500µL (100 loadings) | BP3602-500 |
| | | 2 × 500µL (200 loadings) | BP3602-1 |
| ¹ Strep-tag tech | nology for prote | in purification and detection is covered by U.S | S. Patent No. |

I St 5,506,121, U.K. Patent No. 2272698, and French Patent No. 93 13 006. ² Strep-Tactin is covered by U.S. Patent No. 6,103,493.

Fisher BioReagents* EZ-Run* Prestained Rec Protein Ladder

Comprised of 10 recombinant proteins covalently coupled to a blue chromophore plus 10 and 72kDa reference bands tagged with green and orange dyes, respectively

- Ladder is ideal for monitoring protein separation during SDS-PAGE, verifying Western transfer efficiency, and approximating the molecular weight of blotted proteins
- Supplied in gel loading buffer

STORAGE CONDITIONS: Store at -20°C.

NOTE: The covalently coupled chromophore affects protein mobility; this prestained marker should only be used for approximating the ular weight of separated proteins.

This product is manufactured under the license for Strep-tag* technology covered by U.S. Patent BP3603 Series

No. 5,506,121; U.K. Patent No. 2272698; and French Patent No. 93 13 066.

| Molecular Weight Range | No. of Bands | Quantity | MFR No. |
|---------------------------|--------------|--------------------------|------------|
| 10 to 170kDa | 10 | 500µL (100 loadings) | BP3603-500 |
| | | 2 × 500µL (200 loadings) | BP3603-1 |
| | | s x poohr (soo joanings) | DFa00 |



Fisher BioReagents* EZ-Run* Protein Gel Staining Solution

Ready-to-use solution for highly sensitive staining of proteins separated in polyacrylamide gels

- EZ-Run Protein Gel Staining Solution contains Coomassie* Brilliant Blue G-250. Due Can be reused twice without significant loss of sensitivity to the property of the dye to form colloidal particles, proteins are preferentially stained without significant background staining of the gel matrix.
- Detection is linear over two orders of magnitude with as little as 5ng
- protein detected
- Sensitivity: 5ng BSA in 10% SDS-PAGE, 1.0mm thick gel, well width 3mm
- Does not contain toxic methanol or acetic acid
- Provides rapid destaining with simple water washes



Resolution equal to or better than gradient precast gels!

A ready-to-use premixed solution of acrylamide, bisacrylamide, buffer, and SDS that enables ultra-fine resolution of protein bands by denaturing PAGE. This novel formulation provides the resolution of a gradient gel with less preparative work than a standard discontinuous gel system.

- Ready-to-pour EZ-Run Protein Gel Solution for 1-D or 2-D PAGE—just add APS and TEMED
- Wide separation range—from 3 to 200kDa on same minigel
- Continuous gel system—no stacking gel necessary
- Proprietary (patent-pending) gel chemistry

APPLICATIONS: Compatible with post-electrophoresis applications such as Western blotting, MALDI analysis, and protein sequencing. Suitable for all commonly used gel staining methods including Coomassie* blue, silver staining and fluorescent dyes.

STORAGE CONDITIONS: Store at room temperature.

NOTE: EZ-Run Protein Gel Solution comes with an optimized proprietary running buffer; other traditional SDS-PAGE buffers should not be used with the EZ-Run gel solution.

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11

4L



than gradient precast gels!

EZ-Run Protein Gel Solution provides

superior separation of closely spaced,

small proteins (<20kDa) compared to a

commercial gradient precast gel.



Separate wide range of protein sizes (3-200kDa) on the same minigel

The EZ-Run continuous gel system enables separation of small peptides and high MW proteins on the same minigel. For example, a commercial 12% precast discontinuous gel is not capable of resolving the 10 and 15kDa proteins compared to the 12% EZ-Run gel.

| - | - ~130 - |
|-------|---------------------------------|
| - | - ~95 |
| - | 72 - |
| - | |
| - | 43 |
| - | 34 - |
| - | - ~26 |
| - | - ~17 - |
| - | 10 |
| 4-20% | Tris glycine SDS-PAGE, 5µl/lane |

kDa

- ~170

| 4-20% Tris glycine SDS-PA |
|---------------------------|
| |



Tested for staining sensitivity in minigels using purified proteins and Protein Molecular Weight Standards

STORAGE CONDITIONS: Store at 4°C.

| antity | MFR No. | |
|--------|-----------|--|
| | BP3620-1 | |
| | BP3620-4 | |
| | BF 3520-4 | |

| Product Spe | cifications | |
|---|---------------------------|------------|
| Appearance | Clear, colorless solution | |
| Conductivity (1:20, water) | | |
| 10% Gel Solution | 460-520uS | |
| 12.5% Gel Solution | 460-510uS | |
| 15% Gel Solution | 440-500uS | |
| Electrophoresis | To pass test | |
| pH (at 25°C) | 6.8-7.2 | |
| Polymerization Time | 30 minutes | |
| Protease | Not detected | |
| | | |
| Description | Quantity | MFR No. |
| 10% EZ-Run Protein Gel Solution with buffer | 30mL | BP7710-30 |
| 10% EZ-Run Protein Gel Solution with buffer | 100mL | BP7710-100 |
| 10% EZ-Run Protein Gel Solution with buffer | 500mL | BP7710-500 |
| 12.5% EZ-Run Protein Gel Solution with buffer | 30mL | BP7712-30 |
| 12.5% EZ-Run Protein Gel Solution with buffer | 100mL | BP7712-100 |
| 12.5% EZ-Run Protein Gel Solution with buffer | 500mL | BP7712-500 |
| 15% EZ-Run Protein Gel Solution with buffer | 100mL | BP7715-100 |
| 15% EZ-Run Protein Gel Solution with buffer | 500mL | BP7715-500 |

EZ-Run Running Buffer 20X



500mi

BP7700-500

EZ-Run gel matrix compatible with common gel staining methods such as fluorescent dyes

Serial dilution of BSA (66kDa) and Ovalburnin (45kDa) are loaded in lanes 2 to 5 of an EZ-Run gel and detected with SYPRO® Ruby fluorescent protein stain. Protein standard in lane 1 is BP3602 EZ-Run Rec Protein Ladder

| Acrylamide | Ele | ctrophoresis |
|----------------------------------|---------------------------|--------------|
| White, Needle-like Crys | tals | _ |
| packaging | | Mfr. No |
| 100 g PolyBottle | | BP170-100 |
| 500 g PolyBottle | | BP170-500 |
| 5 kg PolyPail | | BP170-5 |
| C ₃ H ₅ NO | P301+P310, P280, | ~ |
| CAS: 79-06-1 | P302+P350, P201, | (34) |
| MW: 71.08 | P308+P313, P260, | \sim |
| H315, H319, H301, H317, | P304+P340, P305+P351+P338 | - |
| H332, H350, H340, H372, | | |
| H361f, H312 | | S |
| Acrylic Acid | | <=0.002% |
| Appearance | | To pass test |
| Arsenic | | <=1ppm |
| Assay | | |
| Conductivity of a 50% Solution | ۱ <= | 2.50µmhos/cm |
| DNase | | Not detected |
| Electrophoresis | | To pass test |
| Insoluble in Methanol | | <=0.005% |
| Insoluble in H ₂ O | | <=0.005% |
| Iron | | <=1ppm |
| Lead | | <=1ppm |
| Mercury | | <=1ppm |
| pH of 10% Solution in 0.1M Na | aCl | 6.5±0.5 |
| Protease | | Not detected |
| RNase | | Not detected |

| Acrylamide: Bis-Acrylamide 19:1 40% Solution | Electrophoresis |
|--|-----------------|
| packaging | Mfr. No |
| 1 l PolyBottle | BP1406-1 |
| H315, H319, H372, H311, H350, H302, H340, H317, H361f P280, P312, P302+P350, P201, P308+P313, P260 | |
| Conductivity (at 25°C) | <=10µmhos/cm |
| DNase | Not detected |
| Electrophoresis | I o pass test |
| RNase | Not detected |

Applications: This Acrylamide Solution is premixed for 5% cross-linking and is suitable for DNA sequencing and separation of low-molecular-weigh BP1406 is made from Acrylamide and Bis-Acrylamide that meet BP1 BP171 specifications, including being DNase-, RNase-, and Protease-[79-06-1 (Acrylamide)]; [110-26-9 (Methylene Diacrylamide)] Recommended Storage: 4°C UN 2810; DOT Class 6.1:Poison

| it proteins. 70 and | BP171 specifications, inclúding being DNase-, RNase-, and Protease-free [79-06-1 (Acrylamide)] ; [110-26-9 (Methylene Diacrylamide)] | | |
|------------------------|---|--|--|
| free. | Recommended Storage: RT UN 2074; DOT Class 6.1:Poison | | |
| | | | |
| | | | |
| | | | |

Powder

packaging

DNase

Protease

RNase

100 g PolyBottle

Electrophoresis

Conductivity (30% aqueous solution)

Solubility (30% aqueous solution)

Acrylamide: Bis-Acrylamide 37.5:1

Applications: This Acrylamide is 3X recrystallized to obtain a high-purity crystalline material suitable for electrophoretic separation of proteins and núcleic acids. **Recommended Storage:** RT UN 2074; DOT Class 6.1:Poison

| Acrylamide: Bis-Acrylamide 19:1 Powder | | Electrophoresis |
|---|------------|-----------------|
| packag | ing | Mfr. No |
| 100 g | PolyBottle | BP1364-100 |

| Conductivity (30% aqueous solution) | <=10µmhos/cm |
|-------------------------------------|-----------------|
| DNase | Not detected |
| Electrophoresis | To pass test |
| Protease | Not detected |
| RNase | Not detected |
| Solubility (30% aqueous solution) | Clean and clear |

Applications: This dry powder mix is premixed for 5% cross-linking and is suitable for DNA sequencing and separation of low-molecular-weight proteins. BP1364 is made from Acrylamide and Bis-Acrylamide that meet BP170 and BP171 specifications, including being DNase-, RNase-, and Protease-free. [79-06-1 (Acrylamide)]; [110-26-9 (Methylene Diacrylamide)] Recommended Storage: RT UN 2074; DOT Class 6.1:Poison

| Acry Pow | /lamide: Bis-Acrylamide 29:1 ^{der} | Electrophoresis |
|-------------|--|-----------------|
| oackag | ing | Mfr. No |
| 100 g | PolyBottle | BP1366-100 |
| | · | |

| Conductivity (30% aqueous solution) | <=10µmhos/cm |
|-------------------------------------|-----------------|
| DNase | Not detected |
| Electrophoresis | To pass test |
| Protease | Not detected |
| RNase | Not detected |
| Solubility (30% aqueous solution) | Clean and clear |

Applications: This dry powder mix is premixed for 3.3% cross-linking and is suitable for DNA sequencing and separation of proteins. [79-06-1 (Acrylamide)] ; [110-26-9 (Methylene Diacrylamide)] Recommended Storage: RT UN 2074; DOT Class 6.1:Poison

| Acrylamide: Bis-Acrylamide 29:1 40% Solution | Electrophoresis |
|--|-----------------|
| packaging | Mfr. N |
| 1 l PolyBottle | BP1408- |
| H315, H319, H372, H311, H350, H302, H340, H317, H361f P280, P312, P302+P350, P201, P308+P313, P260 | |

| Conductivity (at 25°C) | <=10µmhos/cm |
|------------------------|--------------|
| DNase | Not detected |
| Electrophoresis | To pass test |
| Protease | Not detected |
| RNase | Not detected |

Applications: This Acrylamide Solution is premixed for 3.3% cross-linking and is suitable for DNA sequencing and separation of proteins. BP1408 is made from Acrylamide and Bis-Acrylamide that meet BP170 and [79-06-1 (Acrylamide)] ; [110-26-9 (Methylene Diacrylamide)] Recommended Storage: 4°C UN 2810; DOT Class 6.1:Poison

| Acrylamide: Bis-Acrylamide 37.5:1 40% Solution | Electrophoresis |
|--|-----------------|
| packaging | Mfr. No |
| 1 ℓ PolyBottle | BP1410-1 |
| H315, H319, H372, H311, H350, H302, H340, H317, H361f P280, P312, P302+P350, P201, P308+P313, P260 | |

Applications: This dry powder mix is premixed for 2.6% cross-linking and is

BP1368 is made from Acrylamide and Bis-Acrylamide that meet BP170 and

suitable for separation of high-molecular-weight proteins.

| Conductivity (at 25°C) | 10µmhos/cm |
|------------------------|--------------|
| DNase | Not detected |
| Electrophoresis | To pass test |
| Protease | Not detected |
| RNase | Not detected |

Applications: This Acrylamide Solution is premixed for 2.6% cross-linking and is suitable for separation of high-molecular-weight proteins. BP1410 is made from Acrylamide and Bis-Acrylamide that meet BP170 and BP171 specifications, including being DNase-, RNase-, and Protease-free. [79-06-1 (Acrylamide)] ; [110-26-9 (Methylene Diacrylamide)] Recommended Storage: 4°C UN 2810; DOT Class 6.1:Poison

| Agarose Isoelectric Focusing of Proteins | IEF Grade |
|--|-----------|
| packaging | Mfr. No |
| 10 g PolyBottle | BP163-10 |
| 25 g PolyBottle | BP163-25 |
| C ₁₂ H ₁₈ O ₉ CAS: 9012-36-6 MW: 306.12 | |

| EEO (-Mr) | Not detectable |
|----------------------|----------------|
| Gel Strength | >500g/cm2 |
| Gelation Temperature | |
| Moisture Content | <10% |
| Sulfate Content | <0.2% |
| | |

Applications: Highly purified agarose for separating proteins by isoelectric focusina Recommended Storage: RT

444

Protein Electrophoresis | Protein Chemistry

Ammonium Persulfate Colorless-to-white Crystals

packaging

Electrophoresis

Mfr. No

BP1368-100

<=10µmhos/cm

Not detected

To pass test

Not detected

Not detected

Clean and clear

| 25 g | AmberGlass | |
|---------------------------------|-----------------------------|--|
| 00 g | AmberGlass | |
| 1 ₈ N ₂ O | ₃ S ₂ | |
| AS: 77 | 727-54-0 | |
| 1W: 22 | 28.19 | |
| INECS | : 231-786-5 | |
| 272.1 | H334, H335, H315, | |

H317, H319, H302 P342+P311 P280 P301+P312, P302+P352, P305+P351+P338, P210



Mfr. No

BP179-25

BP179-100

Electrophoresis

| Assay | >=98.0% |
|-------------------------------|-------------|
| Chloride and Chlorate (as Cl) | <=0.001% |
| Heavy Metals (Pb) | <=0.005% |
| Insoluble matter | <=0.005% |
| Iron | <=0.001% |
| Manganese | <=0.5ppm |
| Residue after ignition | <=0.05% |
| Titratable Free Acid | <=0.04mEq/g |

Applications: Electrophoresis-grade Ammonium Persulfate is an initiator of acrylamide polymerization for the preparation of polyacrylamide electrophoresis aels.

Recommended Storage: RT UN 1444; DOT Class 5.1:Oxidizer

Ammonium Sulfate packaging Mfr. No BP212R-1 1 kg Glass 2.5 kg PolyBottle BP212-212 $H_8N_2O_4S$ CAS: 7783-20-2 MW: 132.13 Arsenic <=0.5ppm >=99.5% Assay Heavy Metals (Pb) <=5ppm Iron <=5ppm Nitrate <=0.001% Optical Absorbance at 260nm <=0.03 Optical Absorbance at 280nm <=0.025 pH of 5% Solution (at 25°C) 5 to 6 Protease Not detected Residue on Ignition (sulfated) <=0.005%

Applications: This enzyme-grade Ammonium Sulfate is suitable for use in the purification of proteins. Recommended Storage: RT

Bis-Acrylamide Solution 2% w/v

Mfr. No packaging 250 ml AmberGlass BP1404-250 C₇H₁₀N₂O₂ CAS: 110-26-9 EINECS: 203-750-9 MW: 154.17 Electrophoresis To pass test

Applications: Bis-Acrylamide Solution is a cross-linker commonly used in the preparation of polyacrylamide electrophoresis gels. BP1404 is made from Bis-Acrylamide that meets BP171 specifications. Recommended Storage: 4°C

445

Electrophoresis

| Bis-Acrylamide | | Electrophoresis |
|--|-----------------------|-----------------|
| packaging | | Mfr. No |
| 25 g PolyBottle | | BP171-25 |
| 100 g PolyBottle | | BP171-100 |
| C ₇ H ₁₀ N ₂ O ₂ | H312, H332 | |
| CAS: 110-26-9 | P280, P302+P352, | |
| MW: 154.17 | P305+P351+P338, P261, | \sim |
| EINECS: 203-750-9 | P270, P308+P313 | ÷ |
| H319, H315, H335, H302, | | |
| Absorbance of a 1% Solution (at . | 290nm) | <=0.2 |
| Assay | • | >=95% |
| DNase | | Not detected |
| Electrophoresis | | To pass test |
| pH of 1% Solution in 0.1M NaCl | | ->=5.0 |
| Protease | | Not detected |
| RNase | | Not detected |
| | | |

Applications: Bis-Acrylamide is a cross-linker commonly used in the preparation of polyacrylamide electrophoresis gels. Recommended Storage: 4°C

| Glyc | ine | |
|---------------------------------|--------------------------------------|------------------------------------|
| Whit | e Crystals or Crystalline Powder | |
| packag | ing | Mfr. No |
| 500 g | PolyBottle | BP381-500 |
| 1 kg | PolyBottle | BP381-1 |
| 5 kg | PolyPail | BP381-5 |
| C ₂ H ₅ N | O ₂ EINECS: 20 | 0-272-2 |
| CAS: 5 | 6-40-6 | |
| MW: 7 | 5.07 | |
| Ammo | nium (NH ₄) | <=0.02% |
| Arsenic | | <=1ppm |
| Assay | | |
| Chlorid | le (Cl) | <=0.003% |
| Color o | of 10% Solution | <=10 |
| Condu | ctivity of 1.5% Solution | <=25µmhos/cm |
| Heavy | Metals (Pb) | |
| Iron | | |
| Loss on | n drying | <=0.20% |
| Optical | Absorbance of 1M Solution (at 280nm) | <=0.1 AU |
| Other A | Amino Acids | Chromatographically not detectable |
| Residue | e on Ignition (sulfated) | <=0.10% |

Applications: Glycine is used in the preparation of Tris-Glycine electrophoresis buffers and culture media. Recommended Storage: RT

| Brilliant Blue G-250 | Lithium Dodecyl Sulfat | te |
|--|--|------------|
| packaging | Mfr. No Powder or Flakes | |
| 25 g AmberGlass 50 g AmberGlass | BP100-25 BP100-50 packaging | |
| C ₄₇ H ₄₈ N ₃ NaO ₇ S ₂ CAS: 6104-58-1 MW: 854.02 | 5 g PolyBottle <u>25 g PolyBottle</u> C ₁₂ H ₂₅ LiO ₄ S CAS: 2044-56-6 | |
| E ^{1%} 1cm Lambda Max. Loss on Drying (at 105°C) Solubility | >=600g-1cm-1 MW: 272.33 610nm ±2nm H228, H335, H302, H315, <=5% | 1 |
| Applications: General protein stain. | Absorbance of a 3% Solution at 2 Absorbance of a 3% Solution at 28 | 30r 30r |

Recommended storage: RT C.I. 42655

| Towact of Thakes | | |
|---|--|-----------------------------|
| packaging | | Mfr. No |
| 5 g PolyBottle 25 g PolyBottle | | BP1309-5 BP1309-25 |
| C ₁₂ H ₂₅ LiO ₄ S CAS: 2044-56-6 MW: 272.33 H228, H335, H302, H315, H332, H319 | P261, P301+P312, P304+P340, P302+P352, P305+P351+P338, P233, P210 | () () |
| Absorbance of a 3% Solution at | 230nm | <=0.3 |
| Absorbance of a 3% Solution at Absorbance of a 3% Solution at Assay | 405nm | <=0.03 <=0.01 >=99.0% |
| Heavy Metals (Pb) pH (at 25°C, 3% aqueous soluti Phosphate (PO ₄) | on) | <=5ppm 7.0±1.0 <=1ppm |

Molecular Biology

Recommended storage: RT

| Ponceau S | | |
|---|--|---|
| packaging 10 g AmberGlass | | Mfr. No BP103-10 |
| C ₂₂ H ₁₂ N ₄ Na ₄ O ₁₃ S ₄ CAS: 6226-79-5 MW: 760.54 H319, H335, H315 | P261, P302+P352, P280, P305+P351+P338 | \$ |
| E ^{1%} 1cm Lambda Max. Solubility | > | =350 g-1cm-1 min 514nm±2nm To pass test |

Applications: Staining serum and plasma proteins on nitrocellulose and cellulose acetate membranes

| Potassium Persulfate Fine, Colorless-to-white Crystals | | Applications: Sodium Dodecyl Sulfate (SDS) is the most commonly used detergent in protein purification and electrophoresis. It is used as a protein denaturing agent during both extraction procedures and SDS polyacrylamide | | | |
|---|---|---|--|--|------------------------|
| packaging | | Mfr. No | gel electrophoresis. Recommended Storage: RT | | |
| 100 g PolyBottle | | BP180-100 | 5 | | |
| K ₂ O ₈ S ₂ CAS: 7727-21-1 MW: 270.3 EINECS: 231-781-8 H272, H334, H302, H319, | P304+P341, P342+P311, P261, P301+P312, P302+P352, P280, P305+P351+P338, P210 | | | | |
| H335, H315, H317 | | × | Sodium Dodecyl Su 10% solution | ulfate | Electrophoresis |
| | | | packaging | | Mfr. No |
| Assay | | >=99.0% | 200 m l PolyBottle 1 l PolyBottle | | BP2436-200 BP2436-1 |
| Heavy Metals (Pb) Insoluble matter Iron Manganese | | <=0.001% <=0.005% <=5ppm <=2ppm | C ₁₂ H ₂₅ NaO ₄ S CAS: 151-21-3 MW: 288.38 EINECS: 205-788-1 | H319, H335, H315 P280, P261, P302+P352, P305+P351+P338 | \$ |
| Applications: Potassium Persu | lfate is a strong oxidizing agent and ir | nitiator of | Assay (as Fatty Alcohol Sulfat Chloride (Cl) | e) | >=99% <=0.1% |
| acrylamide polymerization. It | can also be used as an initiator in the | | Concentration | | 10.0±0.5% |
| immobilization of cells and er | nzymes in an acrylamide matrix. | | Copper | | <=0.0005% |
| Recommended Storage: RT | | | DNase | | Not detected |
| UN 1492; DOT Class 5.1:Oxi | dizer | | Lead | V Calatian at 220 | <=0.0005% |
| | | | Optical Absorbance of a 0.19 | % Solution at 230nm | |
| | | | Phosphate (PO) | | <=0.1 |
| | | | Protease | | Not detected |
| | | | RNase | | Not detected |

| Protein Gel-Loading Dye for SDS-PAGE | Electrophoresi |
|--------------------------------------|----------------|
| Dark-purple Liquid - 2X | |

| backag | jing | Mfr. No |
|--------------|------------|---------|
| 1 m l | PolyTube | BP637-1 |
| 5 m l | PolyBottle | BP637-5 |

| DNase | Not detected |
|---|---------------|
| Optical Absorbance (dilution 1250 with deionized water) at 525nm | 0.15-0.35 |
| Optical Absorbance (dilution 1250 with deionized water) at 588-59 | 4nm 0.32-0.47 |
| Optical Absorbance (dilution 1250 with deionized water) at 635-64 | 1nm 0.25-0.40 |
| Protease | Not detected |
| RNase | Not detected |

Applications: This dye is added to protein samples prior to electrophoresis on SDS-PAGE gels. Components: Sodium Dodecyl Sulfate (<5%), Glycerol (<12%), Tris (<1.0%), Proprietary Component (<2%), and Water (80%). [151-21-3 (Sodium Dodecyl Sulfate)] ; [56-81-5 (Glycerol)] ; [126-72-7 (Tris)] Recommended Storage: RT

| Brill | liant Blue R-250 | |
|--|---------------------------------|----------|
| packag | ging | Mfr. No |
| 25 g | mberGlass | BP101-25 |
| 50 g | AmberGlass | BP101-50 |
| C ₄₅ H ₄₄ CAS: 6 MW: 8 | N3NaO7S2 5104-59-2 525.96 | |

| E ^{1%} 1 _{cm} | >=700q-1cm-1 |
|---------------------------------|--------------|
| Lambda Max. | . 592nm ±2nm |
| Loss on Drying (at 105°C) | <=5% |
| Solubility | To pass test |
| | • |

Applications: Staining proteins in polyacrylamide gels. Recommended storage: RT C.I. 42660

| MES | | |
|--|------------------------|--------------|
| Fine White Crystals | | |
| packaging | | Mfr. No |
| 100 g PolyBottle | | BP300-100 |
| C ₆ H ₁₃ NO ₄ S | H315, H335, H319 | |
| CAS: 4432-31-9 | P280, P305+P351+P338, | |
| MW: 195.24 | P261, P302+P352, P264, | \sim |
| EINECS: 224-632-3 | P271 | * |
| Assay | | >=98% |
| DNase | | Not detected |
| Moisture | | <=10% |
| PKa (at 25°C) | | 6.09±0.2 |
| RNase | | Not detected |

Applications: This biological buffer has a usable pH range of 5.5 to 6.7. Recommended Storage: RT

Protein Electrophoresis | **Protein Chemistry**

Sodium Dodecyl Sulfate White Powder

packaging

100 g PolyBottle 500 g PolyBottle Electrophoresis

Mfr. No BP166-100 BP166-500 BP166-5

| 5 kg F | PolyPail | | BP166-5 |
|---|--|--|------------------------------|
| C ₁₂ H ₂₅ Na CAS: 151- MW: 288 EINECS: 2 H228, H3 | O₄S -21-3 -38 105-788-1 11, H302, H335, | H315, H319 P280, P302+P352, P210, P270, P301+P312, P305+P351+P338 | |
| Absorban Absorban Assay (as Assay (as | ce of a 0.1% Solution at ce of a 0.1% Solution at Fatty Alcohol Sulfate) | 230nm 280nm | <=0.4 0.1 >=99% 98% |
| DNase | | | Not detected |
| Lead Phosphate | e (PO ₄) | | <=5ppm <=0.0001% |
| RNase | • | | Not detected |

Applications: Sodium Dodecyl Sulfate (SDS) is the most commonly used detergent in protein purification and electrophoresis. It is used as a protein denaturing agent during both extraction procedures and SDS polyacrylamide gel electrophoresis. **Recommended Storage:** RT Filtered through a 0.2-micron filter.

447



| packaging | | Mfr. No |
|--|------------------------|--------------|
| 200 m l PolyBottle | | BP1311-200 |
| 1 l PolyBottle | | BP1311-1 |
| C ₁₂ H ₂₅ NaO ₄ S | H319, H335, H315 | |
| CAS: 151-21-3 | P280, P261, P302+P352, | > |
| MW: 288.38 | P305+P351+P338 | \sim |
| EINECS: 205-788-1 | | - |
| Assay (as Fatty Alcohol Su | lfate) | >=99% |
| Chloride (Cl) | - | <=0.1% |
| Concentration | | 20 ±0.5% |
| Copper | | <=0.0005% |
| DNase | | Not detected |
| Lead | | <=0.0005% |
| Optical Absorbance of a 0 | 0.1% Solution at 230nm | <=0.4 |
| Optical Absorbance of a 0 | 0.1% Solution at 280nm | <=0.1 |
| Phosphate (PO ₄) | | <=0.0005% |
| Protease | | Not detected |
| PNIaco | | Not detected |

| ackaging | | Mfr. No |
|--|--|----------------|
| 1 kg PolyBottle | | BP2637-1 |
| la ₂ O ₈ S ₂ .AS: 7775-27-1 /W: 238.09 I272, H315, H302, H317, I334, H319, H335 | P261, P280, P308+P313, P302+P352, P210, P305+P351+P338 | () () () |
| ssay | | >=98.0% |

cations: Sodium Persulfate is used as a promoter for polymerization ions.

nmended Storage: RT 505; DOT Class 5.1:Oxidizer

| Tris-Glycine-SDS 10X Powder | Electrophoresis | Tris-Glycine 1X Solution | Electrophoresis |
|--|-------------------------------|-----------------------------|-----------------|
| packaging | Mfr. No | packaging | Mfr. No |
| 1 FoilPack | BP1342-1 | 4ℓ PolyPac* | BP2439-4 |
| H315, H319 P280, P305+P351+P338 | \Diamond | 20 l PolyPac* | BP2439-20 |
| Electrophoresis | | DNase | Not detected |
| pH (1X solution) (at 25°C) | 8.4±0.1 | Electrophoresis | To pass test |
| Protease | Not detected | pH (at 25°C) | |
| | | Protease | Not detected |
| Applications: Tris-Glycine-SDS is commonly | used as a buffer in SDS-PAGE. | RNase | Not detected |

Each pack contains preweighed powder to make 1*l* of a 10X solution (0.25M Tris Base, 1.92M Glycine, and 1.0% w/v SDS). [77-86-1 (Tris)] ; [56-40-6 (Glycine)] ; [151-21-3 (SDS)] Recommended Storage: RT

Filtered through a 0.2-micron filter.

Recommended storage: RT

n Nitrat

| Tris-Glycine-SDS Dry Powder Mix of Tris/Glycine/SDS | Electrophoresis |
|--|-----------------|
| packaging | Mfr. No |
| 92 g PolyBottle | BP1398-92 |
| H335, H319, H315 P261, P264, P302+P352, P280, P305+P351+P338 | () |
| Electrophoresis | To pass test |

| Electrophoresis | To pass test |
|---|----------------|
| pH of 1X Buffer (at 25°C) | 8.3 ±0.2 |
| Solubility (buffer in final volume of 1 liter in H2O) | Clear solution |
| | |

Components in 1X buffer: 0.025M Tris, 0.192M glycine, and 0.1% SDS. Components: Glycine (82.3%), Tris (17.1%), and SDS (0.6%) [56-40-6 (Glycine)] ; [77-86-1 (Tris)] ; [151-21-3 (SDS)] Recommended Storage: RT Makes 1 liter of 5X buffer. Final concentrations of components in 1X buffer: 0.025M Tris, 0.192M glycine, and 0.1% SDS.

| Sucrose Gel-Loading Dye for DNA Gels 5X, Contains 40% Sucrose | | Electrophoresis | |
|--|------------|-----------------|--|
| packag | ing | Mfr. No | |
| 1 m l | PolyTube | BP655-1 | |
| 5 m l | PolyBottle | BP655-5 | |

DNase . Not detected **Electrophoresis** To pass test 0.30-0.45 Optical Absorbance (dilution 1:500 with deionized water) at 525nm. Optical Absorbance (dilution 1:500 with deionized water) at 588-594nm 0.50-0.65 Optical Absorbance (dilution 1:500 with deionized water) at 635-641nm 0.47-0.62 RNase Not detected

Applications: This dye includes sucrose instead of glycerol. Add the dye to DNA Samples prior to electrophoresis on agarose gels. Components: Sucrose (40%), Proprietary Component (<3%), and Water. [57-50-1 (Sucrose)]

mended Storage: RT

| Tris-Glycine | Electrophoresis | Tris-Glycine-SDS 10X Solution | Electrophoresis |
|--|-------------------|----------------------------------|-----------------|
| TOX POwder | | packaging | Mfr. No |
| packaging | Mfr. No | 1 l PolyBottle | BP1341-1 |
| 1 FoilPack | BP1307-1 | 4 l PolyPac* | BP1341-4 |
| CAS: [77-86-1 (Tris)], [56-40-6 (Glycine)] H315, H319 P305+P351+P338, P280 | $\langle \rangle$ | DNase | Not detected |
| | | Electrophoresis | To pass test |

| DNase | Not detected |
|----------------------------|--------------|
| Electrophoresis | |
| pH (1X solution) (at 25°C) | 8.4±0.1 |
| Protease | Not detected |
| RNase | Not detected |

Recommended storage: RT

| Silver Michale | Certified AC3 |
|---|---------------|
| Crystalline | |
| packaging | Mfr. No |
| 100 g AmberGlass | BP2546-100 |
| AgNO ₃ CAS: 7761-88-8 MW: 169.87 | |
| Assay | >=99.7% |
| Chloride (Cl) | |
| Clarity of Solution | |
| Copper | |
| Free Acid | |

| Clarity of Solution | To pass test |
|------------------------------------|--------------|
| Copper | |
| Free Acid | To pass test |
| lron | |
| Lead | <=0.001% |
| Substances not Precipitated by HCI | <=0.01% |
| Sulfate (SO ₄) | <=0.002% |
| × 47 | |

Applications: Silver Nitrate is used in biochemistry to stain agarose and acrylamide gels. Recommended Storage: RT UN 1493; DOT Class 5.1:Oxidizer

| TEMED | Electrophoresis |
|--|-------------------|
| packaging | Mfr. No |
| 20 g AmberGlass | BP150-20 |
| 100 g AmberGlass | BP150-100 |
| C ₆ H ₁₆ N ₂ CAS: 110-18-9 MW: 116.21 | EINECS: 203-744-6 |
| Assay (by titration) | >=97% |
| DNase | Not detected |
| Electrophoresis | |
| Protease | Not detected |
| RNase | Not detected |

Applications: TEMED is a commonly used catalyst for the polymerization of acrylamide/bis-acrylamide. Recommended Storage: RT UN 2372; DOT Class 3:Flammable Liquid

| | | Tris-Glycine-SDS 1X Solution | Electrophoresis |
|---|----------------------|---|---|
| 10X Solution | Electrophoresis | packaging | Mfr. No |
| nackaging | Mfr. No. | 4 l PolyPac* | BP2440-4 |
| 1 l PolyBottle 4 l PolyPac* | BP1306-1 BP1306-4 | 20 l PolyPac* | BP2440-20 |
| CAS: [77-86-1 (Tris)], [56-40-6 (Glycine)] | | DNase Electrophoresis pH of 1X solution (at 25°C) | Not detected To pass test 8 3+0.1 |
| DNase | Not detected | Protease | Not detected |
| pH (1X solution) (at 25°C) | 8.3-8.5 | NINASE | Not delected |
| Protease | Not detected | Applications, Tris Chucino SDS is commonly | used as a buffer in SDS DACE |

Not detected

Filtered through a 0.2-micron filter. Recommended storage: RT

RNase

Protein Electrophoresis | **Protein Chemistry**

Applications: Tris-Glycine is commonly used as a buffer in native polyacrylamide gel electrophoresis. 0.025M Tris Base and 0.192M Glycine [77-86-1 (Tris)] ; [56-40-6 (Glycine)]

Recommended Storage: RT Filtered through a 0.2-micron filter.

| DNase | Not detected |
|----------------------------|--------------|
| Electrophoresis | |
| pH (1X solution) (at 25°C) | 8.4±0.1 |
| Protease | Not detected |
| RNase | Not detected |

Applications: Tris-Glycine-SDS is commonly used as a buffer in SDS-PAGE. Components: 0.25M Tris Base, 1.92M Glycine, and 1.0% (w/v) SDS. [77-86-1 (Tris)] ; [56-40-6 (Glycine)] ; [151-21-3 (SDS)] **Recommended Storage:** RT Filtered through a 0.2-micron filter.

Applications: Tris-Glycine-SDS is commonly used as a buffer in SDS-PAGE. 0.025M Tris Base, 0.192M Glycine, and 0.1% (w/v) SDS. [56-40-6 (Glycine)] ; [77-86-1 (Tris)] ; [151-21-3 (SDS)] Recommended Storage: RT Filtered through a 0.2-micron filter.

| Tween* 20 | |
|--------------------------------------|--------------|
| packaging | Mfr. No |
| 100 m l PolyBottle | BP337-100 |
| 500 m l PolyBottle,EcoSafPak* | BP337-500 |
| CAS: 9005-64-5 | |
| Arsenic | <=0.0003% |
| Arsenic (As) | <=0.0003% |
| Copper | <=0.0005% |
| Copper (Cu) | <=0.0005% |
| Hydroxyl Number | |
| Hydroxyl number | |
| Lead | <=0.0005% |
| Lead (Pb) | <=0.0005% |
| Protease | Not detected |
| Residue after ignition | <=0.25% |
| Water | |
| water | <=3% |

Applications: This nonionic detergent is used in the isolation of water-soluble membrane proteins.

Recommended Storage: RT

EcoSafPak* is an environmentally friendly packaging system made of 100% recyclable material by an SFI certified supplier.

| Tween* 80 | |
|--------------------------------------|-----------|
| packaging | Mfr. No |
| 500 m l AmberGlass,EcoSafPak* | BP338-500 |
| CAS: 9005-65-6 | |
| Arsenic | <=0.0001% |
| Copper | <=0.0005% |
| | (F. 0.0 |

| | <=0.0001% | |
|-----------------------|-----------|---|
| opper | <=0.0005% | Ì |
| ydroxyl Number | | |
| ead | <=0.0005% | |
| esidue after ignition | <=0.25% | |
| /ater | <=3.0% | 1 |
| | | |

Applications: This nonionic detergent is used in the isolation of water-soluble

Recommended Storage: RT EcoSafPak* is an environmentally friendly packaging system made of 100% recyclable material by an SFI certified supplier.

| Urea Molecular Biology Colorless-to-white Crystals or Crystalline Powder | | |
|---|-----------|--------------|
| packaging | | Mfr. No |
| 500 g PolyBottle | | BP169-500 |
| 2.5 kg PolyBottle | | BP169-212 |
| 10 kg PolyPail | | BP169-10 |
| CH ₄ N ₂ O | H315 | <u>^</u> |
| CAS: 57-13-6 | P302+P352 | |
| MW: 60.06 | | \sim |
| EINECS: 200-315-5 | | Ť |
| Absorbance of a 5M Solution at | 280nm | <=0.05 |
| Assay | | >=99.0% |
| Biuret Test | | Negative |
| CNO | | <=5ppm |
| Copper | | <=1ppm |
| DNase | | Not detected |
| Heavy Metals (Pb) | | <=5ppm |
| Iron | | <=2ppm |
| Melting Point | | |
| Protease | | Not detected |
| RNase | | Not detected |
| Solubility of an 8M Solution | | To pass test |

Applications: Urea is used as a denaturing agent for DNA and proteins. Recommended Storage: RT

| 2-Mercaptoethanol | | Electrophoresis |
|---|--|---|
| ackaging | | Mfr. No |
| 0 g AmberGlass/PoisonPack | | BP176-100 |
| H ₆ OS ÁS: 60-24-2 W: 78.13 302, H411, H315, H335, 311, H319 | P280, P312, P302+P350, P261, P273, P301+P312, P305+P351+P338 | |
| say Nase ectrophoresis Nase Nase Disulfide (S-S) Absorbance | of a 0.02M Solution (at 285nm) | >=98% Not detected To pass test Not detected ==0.05 |

Applications: 2-Mercaptoethanol reduces disulfide linkages in proteins and peptides and is used in many enzymatic reactions as a protein stabilizer. Recommended Storage: RT UN 2966; DOT Class 6.1:Poison

| oackaging | | Mfr. No |
|---|-----------------------|--------------------|
| 10 mg AmberGlass | | BP2644-10 |
| 50 mg AmberGlass | | BP2644-50 |
| 00 mg AmberGlass | | BP2644-100 |
| 00 mg AmberGlass | | BP2644-500 |
| 1 g AmberGlass | | BP2644-1 |
| C ₈ H ₁₀ FNO ₂ S.ClH | P280, P301+P330+P331, | ~ |
| CAS: 30827-99-7 | P310, P305+P351+P338, | (52) |
| AW: 239.7 | P303+P361+P353, P210 | \sim |
| 1314 | | |
| TIR | Con | forms to reference |
| Aelting Point | | 175°-185°C |
| Purity (by HPLC) | | >=97% |

Applications: 4-(2-Aminoethyl)benzenesulfonyl Fluoride Hydrochloride is a covalent binding serine protease inhibitor.

Similiar in structure to the commonly used inhibitor PMSF, AEBSF offers better AEBSF belongs to the family of irreversible sulfonyl fluoride inhibitors that block rypsin and chymotrypsin-type enzymes. Recommended Storage: RT, protect from light. Not on TSCA inventory: for R and D use only; not for manufacturing or

commercial purposes.

| AEBSF Hydro | chloride aita Crystals |
|---|---|
| packaging | Inte Crystais |
| | |
| 50 mg PolyMicroTub | e BP635-50 |
| 100 mg PolyMicroTul | e BP635-100 |
| 500 mg PolyMicroTub | e BP635-500 |
| C _o H ₁₀ FNO ₂ S.ClH | P280, P301+P330+P331, |
| CAS: 30827-99-7 | P310, P305+P351+P338, |
| MW: 239.7 | P303+P361+P353, P210 |
| H314 | |
| Assav (TLC, HPLC) | >=98.0% |
| Carbon | 40.09% ±0.5% |
| Hydrogen | 4.62% ±0.04% |
| Melting Point | |
| Nitrogen | 5.84% ±0.2% |
| Solubility | TIUTrypsin Inhibitor Units determined using Pefachrome TRY. |
| Solubility 20g in 100 | ml Water |
| Solubility 7.5g in 10 |)mℓ Absolute Alcohol |
| Solubility Inhibitor A | tivity |
| Sulfur | |
| | |

Applications: This specific, irreversible inhibitor of serine proteases is a stable, nontoxic alternative to PMSF.

Recommended Storage: RT Not on TSCA inventory: for R and D use only; not for manufacturing or commercial purposes.

