

pyridine	Peptide Synthesis
	Mfr. No
	BP596-100
P280, P361, P302+P350, P301+P330+P331,	
P305+P351+P338, P310	X
	A 1
	>=99%
	Conforms to standard
	108°-111°C
	P280, P361, P302+P350, P301+P330+P331, P305+P351+P338, P310

Applications: 4-Dimethylaminopyridine is a catalyst for several acylation reactions, especially in oligonucleotide synthesis. Recommended Storage: RT UN 2928; DOT Class 6.1:Poison

packaging		Mfr. No
250 mg AmberGlass		BP2508-250
500 mg AmberGlass		BP2508-500
1 g AmberGlass		BP2508-1
5 g AmberGlass		BP2508-5
C ₉ H ₁₁ BrN ₂ O ₅ CAS: 59-14-3	P281, P261, P302+P352, P280, P305+P351+P338	(1)
мw: 307.09 Н335, Н319, Н341, Н315		4
FTIR		Conforms to standard
Melting Point		
UV/VIS: lambda max (H ₂ O)		279, (209)nm ± 3r

Applications: 5-Bromo-2'-Deoxyuridine is a thymidine analog used as a mutagen in genetic research		packaging		Mfr. No
Recommended Storage: -20°C		450 ml AmberGlass		BP1170-450
		4 l AmberGlass		BP1170-4
		C ₂ H ₂ N	P280, P302+P352,	~
		CAS: 75-05-8	P301+P312, P304+P340.	
		MW: 41.04	P305+P351+P338, P210,	
		EINECS: 200-835-2	P240	
		H225, H319, H332, H302, H312		
		Assay (by GLC)		>=99.9%
		Color (APHA)		<=10
		Density (at 25°C)		0.775-0.780g/ml
		Fluorescence Background (as Quin	ine Sulfate)	To pass test
		IK		Conforms to standard
8-Bromoadenine		Cradient Suitability		To pass test
0-bromoddenine		Optical Absorbance at 190nm		<=1.00
Light Tan Powder		Optical Absorbance at 200pm		<=0.13
nation	Mfr. No.	Optical Absorbance at 200nm		<=0.07
		Optical Absorbance at 200111		<=0.05
100 mg AmberGlass B	P2507-100	Optical Absorbance at 220nm		<=0.07
500 mg AmberGlass B	P2507-500	Optical Absorbance at 254nm		<=0.02
1 g AmberGlass	BP2507-1	Refractive Index (at 25°C)		1 3405-1 3425
C ₅ C ₄ N ₅ Br EINECS: 230-225-1		Residue after evaporation		=1.0ppm
CÁS: 6974-78-3		Titratable Acid		<=0.008mEg/g
MW: 213.97		Titratable Base		
Applications: 8-Bromoadenine is used in several biochemical research		Water		<=10ppm

Applications: 8-bromodulenne is used in several biochemical research applications. Recommended Storage: Store below 0° C, desiccate Not on TSCA inventory: for R and D use only; not for manufacturing or commercial purposes.

Nucleic Acid Synthesis | Molecular Biology

Acetic Acid, Glacial Aldehyde-free

packaging

Sequencing

Mfr. No BP1185-500

500 m l Glass		BP1185-500
C ₂ H ₄ O ₂	P280, P305+P351+P338,	~
CĀS: 64-19-7	P302+P352, P304+P340,	
MW: 60.05	P210, P309+P311	~
H226, H314		
		\sim
Acetic Anhydride ((CH ₃ CO) ₂ O)		<=0.01%
Assay		>=99.7%
Chloride (Cl)		< <=0.4ppm
Color (APHA)		<=10
Copper		<=0.1ppm
Dilution Test		To pass test
Heavy Metals (Pb)		< <=0.5ppm
Impurities Reducing Dichromate		Not detected
Impurities Reducing Permanganate		Not detected
Iron		<=0.2ppm
Nickel		<=0.1ppm
Residue after evaporation		<=8ppm
Sulfate (SO ₄)		< <=0.4ppm
Titratable Base		<=0.0004mEq/g
		15

Recommended storage: RT

Acetonitrile DNA Synthesis

Also available in recyclable FisherPak* and NOWPak* containers. Recommended storage: RT

Molecular Biology | Nucleic Acid Synthesis

Chloroform Approx. 0.75% Ethanol a	s Preservative	Molecular Biology
packaging		Mfr. No
1 l AmberGlass, EcoSafPak*		BP1145-1
CHCl ₃	H302, H315, H351, H373	
CAS: 67-66-3	P281, P260, P301+P312,	(1)
MW: 119.38	P302+P352	\sim
EINECS: 200-663-8		

Acetone and Aldehyde	Not detected
Acid and Chloride	Not detected
Assay (GC)	>=99%
Color (APHA)	<=10
Density (at 25°C)	1.471-1.476g/ml
Fluorescence Background (as Quinine Sulfate)	To pass test
Free Chlorine	Not detected
Lead	<=0.05ppm
Optical Absorbance at 244nm	<=1.00
Optical Absorbance at 245nm	<=0.80
Optical Absorbance at 250nm	<=0.28
Optical Absorbance at 254nm	<=0.13
Peroxides	Not detected
Preservative (Ethanol)	0.5-1.0v/v%
Reactive Impurities with H ₂ SO ₄	Not detected
Refractive Index (at 25°C)	1.4420-1.4450
Residue after evaporation	
Water	<=0.02%

Formic Acid Aldehyde-free		Sequencing
packaging		Mfr. No
500 m l PolyBottle		BP1215-500
CH ₂ O ₂ CAS: 64-18-6 MW: 46.02 H226, H314 P280, P260,	P305+P351+P338, P301+P330+P331, P302+P352, P210	(ج) (ج)
Acetic acid glacial min.		<=0.4%
Aldehyde (HCHO) Ammonium (NH₄)		Not detected <=0.005%
Assay (HCOOH $\widetilde{w/w}$ in H ₂ O)		>=88%
Chloride (Cl)		<=0.001%
Color (APHA)		<=15
Dilution Test		To pass test
Heavy Metals (Pb)		<=5ppm
Iron Residue after evaporation		< <=5ppm
Residue after evaporation		<=0.002%

Recommended storage: RT

Sulfate (SO₄)

Sulfite

EcoSafPak* is an environmentally friendly packaging system made of 100%
recyclable material by an SFI certified supplier.
Applications: Used in Phenol/Chloroform extractions to remove proteins from
DNA or RNA samples.
Recommended storage: RT

Methylene Chlorid Pentene Preservative	e	
packaging		Mfr. No
4 ℓ AmberGlass		BP1186-4
CH ₂ Cl ₂ CAS: 75-09-2 MW: 84.93 EINECS: 200-838-9	H351 P280	\$
Assay		>=99.9%
Boiling Range (1 drop to dryr Color (APHA)	ness)	<=1.0° incl. 39.8°C at 760mmHg <=10
Density (at 25°C)		1.315-1.321g/ml
Fluorescence Background (as	Quinine Sulfate)	
Free Halogens		
Optical Absorbance at 233nn	וו	<=1.00
Optical Absorbance at 240nn	۱	<=0.12
Optical Absorbance at 254nn	۱	<=0.010
Refractive Index (at 25°C)		1.4200-1.4230
Titratable Acid (as HCI)		<=1ppm
Water		<=0.0003ffieq/g

Ethyl Acetate		Sequencing
packaging		Mfr. No
1 l AmberGlass, EcoSafPak*		BP1125-1
$C_4H_8O_2$ CAS: 141-78-6 MW: 88.11 EINECS: 205-500-4	H225, H319, H336, EUH066 P261, P280, P305+P351+P338, P210, P240	() ()

Assay (GC)	>=99.9%
Color (APHA)	
Density (at 25°C)	0.893 to 0.895g/ml
Fluorescence Background (as Quinine Sulfate)	To pass test
Optical Absorbance at 255nm	<=1.00
Optical Absorbance at 260nm	<=0.15
Optical Absorbance at 270nm	<=0.025
Peroxides	Not detected
Reactive Impurities with H ₂ SO ₄	Not detected
Refractive Index (at 25°C)	1.3680-1.3710
Residue after evaporation	<=10ppm
Titratable Acid	<=0.0009mEq/g
Water	<=0.02%

Applications: Solvent that is commonly used in DNA or peptide synthesis. Recommended storage: RT EcoSafPak* is an environmentally friendly packaging system made of 100% recyclable material by an SFI certified supplier.



Recommended storage: RT Also available in recyclable FisherPak* and NOWPak* containers.



<=0.002%

To pass test

N,N-Dimethylformamide Synthesis

nackaging		Mfr No	Peroxide-free		
500 ml AmberGlass, EcoSafPak*		BP1160-500	packaging		Mfr. No
4 l AmberGlass		BP1160-4	500 ml AmberGlass, EcoSafPak	*	BP1130-500
C ₃ H ₇ NO CAS: 68-12-2 MW: 73.09 H319, H312, H332, H360D, H226	P301+P310, P302+P352, P304+P340, P280, P305+P351+P338, P210	() () ()	C ₃ H ₈ O CAS: 71-23-8 MW: 60.1 EINECS: 200-746-9 H225, H336, H318	P280, P305+P351+P338, P310, P261, P301+P312, P210, P240, P304+P340	
Amines (as Dimethylamine)		<=5ppm	Acidity (as Acetic Acid)		<=0.02%
Assay (GC)		>=99.5%	Aldehyde (HCHO)		Not detected
Boiling Point		153.0° ±0.1°C	Assay (GC)		>=99.5%
Boiling Range (1 drop to dryness).		2.0°C	Boiling Range		
Color (APHA)			Color (APHA)		<=20
Density (at 25°C)		0.942-0.946g/ml	Density (at 25°C)		0.8016 ±0.005g/ml
IR		Conforms to standard	Peroxides		Not detected
Optical Absorbance at 270nm		<=1.00	Residue after evaporation		<=0.01%
Optical Absorbance at 275nm		<=0.30			
Optical Absorbance at 295nm		<=0.10	Also available in recvclable F	isherPak* and NOWPak* containe	ers. EcoSafPak* is an
Optical Absorbance at 310nm		<=0.05	environmentally friendly pac	kaging system made of 100% recy	yclable material by an
Optical Absorbance at 340-400nm		<=0.01	SFI certified supplier.	5 5 7 ,	
Residue after evaporation		<=0.005%	Applications: Used for extra	acting ethidium bromide from D	NA samples.
Titratable Acid		<=0.0005mEq/g	Recommended storage: RT	5	•
Titratable Base		<=0.003mEq/g	-		
Water		~-0.03%			

Recommended storage: RT

Also available in recyclable FisherPak*and NOWPak* containers. EcoSafPak* is an environmentally friendly packaging system made of 100% recyclable material by an SFI certified supplier.

n-Butyl Acetate		Sequencing
packaging		Mfr. No
500 ml AmberGlass		BP1135-500
C ₆ H ₁₂ O ₂ CAS: 123-86-4 MW: 116.16 EINECS: 204-658-1	H226, H336 P304+P340, P261, P210, P240	() ()
Assay (GC)		>=99.5%
Boiling Range (1 drop to dryness)		<=1.0°C
Color (APHA)		<=10
Density (at 25°C)		0.860-0.900 g/ml
Fluorescence Background (as Quinine Sulfate)		To pass test
Foreign Esters		Not detected
Optical Absorbance at 255nm		<=1.00
Optical Absorbance at 260nm	<=0.30	
Optical Absorbance at 280nm	<=0.050	
Reactive Impurities with H ₂ SO	Not detected	
Refractive Index (at 25°C)	•	1.3890-1.3950
Residue after evaporation		<=10 ppm
Titratable Acid		
Titratable Acid		<=0.003 meq/g <=0.05%

Applications: Solvent is commonly used in DNA or peptide synthesis. Recommended storage: RT

Nucleic Acid Synthesis | Molecular Biology

n-Propanol

P1	130-500
	V

Sequencing

Pyridine		Sequencing
packaging		Mfr. No
500 ml AmberGlass, EcoSafPak	*	BP1155-500
C₅H₅N CAS: 110-86-1 MW: 79.1 EINECS: 203-809-9	H225, H312, H332, H302 P280, P302+P352, P304+P340, P210, P240	() ()
Ammonia Assay (GC) Boiling Point Boiling Range (1 drop to dryr Chloride (Cl)	ness)	<pre><=0.002% >=99.5% 115.3° ±0.1°C <=2.0°C <=0.01%</pre>
Copper Impurities Oxidized by Permanganate Residue after evaporation Solubility in H ₂ O Sulfate (SO ₄) Water		test (about 5ppm) Not detected <=0.002% To pass test <=0.001% <=0.10%

Also available in recyclable FisherPak* and NOWPak* containers. EcoSafPak* is an environmentally friendly packaging system made of 100% recyclable material by an SFI certified supplier.

Applications: Commonly used in automated synthesis protocols. Recommended storage: RT

Molecular Biology | Nucleic Acid Synthesis

Tetrahydrofuran		Sequencing
packaging		Mfr. No
1 l AmberGlass, EcoSafPak*		BP1140-1
C ₄ H ₈ O CAS: 109-99-9 MW: 72.11 EINECS: 203-726-8	H225, H319, H335, EUH P261, P233, P280, P305+P351+P338, P210 P240	
Assay		>=99.9%
Color (APHA)		<=10 APHA
Fluorescence Background (as Quinine Sulfate)		
Optical Absorbance at 210nm		
Optical Absorbance at 215nm		<=0.60
Optical Absorbance at 230nm		<=0.30
Optical Absorbance at 254nm		<=0.10
Peroxide		<=0.015%
Ref. index at 25°C	Inclusive	between 1.4040-1.4070

Peroxide Ref. index at 25°C Residue after evaporation Water

Applications: Commonly used in sequencing procedures. Recommended storage: RT Also available in recyclable FisherPak* and NOWPak* containers. EcoSafPak* is an environmentally friendly packaging system made of 100% recyclable material by an SFI certified supplier.

<=5 ppm <=0.02%

