

3050 Spruce Street, Saint Louis, MO 63103, USA

Website: www.sigmaaldrich.com

Email USA: techserv@sial.com

Outside USA: eurtechserv@sial.com

Certificate of Analysis

Product Name:

CHAPS hydrate - BioReagent, suitable for electrophoresis, ≥98% (HPLC)

Product Number: C9426
Batch Number: SLCC6012
Brand: SIGMA
CAS Number: 331717-45-4
MDL Number: MFCD00012116
Formula: C₃₂H₅₈N₂O₇S · xH₂O
Formula Weight: 614.88 g/mol
Quality Release Date: 22 MAY 2019
Recommended Retest Date: MAY 2023



Test	Specification	Result
Appearance (Color)	White	White
Appearance (Form)	Powder	Powder
Solubility (Color)	Colorless	Colorless
Solubility (Turbidity)	Clear	Clear
50 mg/mL, H ₂ O		
Water (by Karl Fischer)	≤ 8 %	2 %
Solvent Content (by GC)	≤ 1.0 %	< 0.0 %
Dimethylformamide		
Solvent Content (by GC)	≤ 1.0 %	< 0.0 %
EtoH		
Carbon (Dry Basis)	60.5 - 64.4 %	60.8 %
Nitrogen (Dry Basis)	4.0 - 5.1 %	4.7 %
Infrared Spectrum	Conforms to Structure	Conforms
Suitability	Suitable	Suitable
Suitable for use as a solubilizing agent in isoelectric focusing applications.		
µmhos/cm Conductivity	≤ 50	1
5% aqueous solution		
Purity (HPLC)	≥ 98 %	99 %

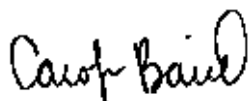
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Carolyn Baird, Supervisor
Quality Assurance
St. Louis, Missouri US

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