

Chem-Impex International, Inc.

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Certificate of Analysis

Catalogue Number	29816
Lot Number	003231-20210101
Product	Betaine hydrochloride (Carboxymethyl)trimethylammonium hydrochloride
CAS Number	590-46-5
Molecular Formula	C ₅ H ₁₁ NO ₂ •HCl
Molecular Weight	153.61

Appearance	White crystal
Clarity & Color	Clarity : Clear solution
Bulk density	0.74 g/mL
Heavy Metals	< 10 ppm
Cation	Lead : < 1 ppm Arsenic : < 1 ppm Cadmium : < 0.2 ppm Mercury : < 0.1 ppm
Water Content (Karl Fisher)	0.15%
pH	0.82
Yeast and Mold	< 100 cfu/g
Infrared Spectrum	Conforms to structure
E. Coli	Negative/10g
Microbial Count	< 1000 cfu/g (TPC)
Salmonella	Negative/20 g
Staphylococcus Aureus	Negative/10 g
Particle Size	Through 20 mesh : 100% Through 40 mesh : 19.68% Through 60 mesh : 1.62% Through 80 mesh : 0.27% Through 100 mesh : 0.13%
Residue On Ignition	0.03%
Assay (anhydrous basis)	99.61%
Grade	USP
Storage	Store at RT

Certificate of Analysis

Catalog Number: 29816

Lot Number: 003231-20210101

Additional Information

Tapped density : 0.82 g/mL

Remarks

See material safety data sheet for additional information

For laboratory use only

The foregoing is a copy of the Certificate of Analysis as provided by our supplier



Bala Kumar
Quality Control Manager