

Chem-Impex International, Inc.

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Manufacturing site:

825 Dillon Drive

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Certificate of Analysis

Catalogue Number	31889
Lot Number	002202-170603
Product	N-Acetyl-D-glucosamine from plant source

2-Acetamido-2-deoxy-D-glucose from plant source

CAS Number	7512-17-6
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Molecular Formula	C ₈ H ₁₅ NO ₆
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Molecular Weight	221.1
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Appearance	White to yellowish crystalline powder
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Odor	Odorless
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Melting Point	200 - 201 °C
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Bulk density	0.45 g/mL
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Heavy Metals	< 10 ppm
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Anion	Sulfate : 0.07% Chloride : 0.06%
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Cation	Iron (Fe) : < 10 ppm Lead (Pb) : 0.11 ppm Arsenic (As) : < 1.0 ppm Mercury (Hg) : 0.05 ppm
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pH	7.1
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Yeast and Mold	< 32 cfu/g
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Optical Rotation	[α] ²⁰ _D = 40.62 °
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Loss on Drying	0.33%
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E. Coli	Negative
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Microbial Count	< 252 cfu/g
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Salmonella	Negative
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Mesh Size	90% thr' 100 mesh
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Organic Volatile Impurities	Conforms to USP 39
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Residue On Ignition	0.03%
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Purity by HPLC	99.25%
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Storage

Store at RT

Additional Information

Tap density : Conforms to USP 39

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