

Chem-Impex International, Inc.

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825 Dillon Drive

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Certificate of Analysis

Catalogue Number 00240
Lot Number 000531-0406
Product **D-Pantethine syrup**

Bis(N-pantothenylamidoethyl) disulfide

CAS Number 16816-67-4
Molecular Formula C₂₂H₄₂N₄O₈S₂

Molecular Weight 554.7

Appearance Clear colorless viscous liquid

Heavy Metals < 10 ppm

Cation Arsenic (As) : 0.0008 ppm
Cadmium : < 0.001 ppm
Lead : < 0.004 ppm
Mercury : < 0.001 ppm

Water Content (Karl Fisher) 20%

Mould and Yeast < 10 cfu/g

Optical Rotation [a]²⁰_D = 16.2 °

E. Coli < 10 cfu/g

Microbial Count < 10 cfu/g (TAPC)

Salmonella Negative / 10g

Staphylococcus Aureus Negative / 10g

Related Substances < 2.0%

Residue On Ignition 0.0%

Assay (anhydrous basis) 99.4%

Storage Store at 0-8 °C

Additional Information Identification :
Blue-purple color is produced (Cupric Sulfate)
Red-purple color is produced (Sodium Nitroprusside and Ferric Chloride)

SH Compound : Not detected

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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