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Certificate of Analysis

Catalogue Number 32467
Lot Number 002874-1707002
Product **7-(2,3-Dihydroxypropyl)theophylline**

Dyphylline

CAS Number 479-18-5
Molecular Formula C₁₀H₁₄N₄O₄

Molecular Weight 254.24

Appearance White amorphous or crystalline solid
Solubility Freely soluble in water, sparingly soluble in alcohol and in chloroform, practically insoluble in ether
Melting Point 161.5 - 163.0 °C
Bulk density 0.38 g/ml (Loose)
0.69 g/ml (Tapped)
Anion Chloride : < 0.035%
Sulfate : < 0.010%
pH 7.50
Infrared Spectrum Conforms to structure
Loss on Drying 0.15%
Residual Solvents 576 ppm (alcohol)
Related Substances < 1.0%
Limit of theophylline : 0.09%
Residue On Ignition 0.04%
Assay by titration 99.8% (on dried basis)
Grade USP
Storage Store at RT
Additional Information UV spectrum : Conforms to structure

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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