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Certificate of Analysis

Catalogue Number	32402
Lot Number	002966-20180106
Product	Acarbose hydrate
	4',6'-Dideoxy-4'-([1S]-[1,4,6/5]-4,5,6-trihydroxy-3-hydroxymethyl-2-cyclohexenylamino)-maltotriose
CAS Number	56180-94-0
Molecular Formula	C ₂₅ H ₄₃ NO ₁₈ •xH ₂ O

Appearance	White to light yellow amorphous powder with hygroscopicity
Appearance of Solution	The solution should be clear, the absorbance at 425nm wavelength is not greater than 0.15
Solubility	Easily soluble in water , soluble in methanol, almost insoluble in dichlorosilane
Odor	Odorless
Heavy Metals	< 20 ppm
Water Content (Karl Fisher)	5.1%
pH	6.8
Optical Rotation	[α] _D ²⁰ = + 177 °
Infrared Spectrum	Conforms to Structure
Residual Solvents	80 mg/g, 15 mg/g
Related Substances	Impurity A : 0.2% Impurity C : 0.1% Impurity D : 0.3% Impurity B, E, F, G, H : Not detected Single impurities : 0.19% Total impurities : 1.48%
Residue On Ignition	0.1%
Purity by HPLC	97.2%
Storage	Store at RT
Additional Information	Taste : Slightly sweet

Certificate of Analysis

Catalog Number: 32402

Lot Number: 002966-20180106

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