



Product Specification

cdhfinechemical.com

L-ASPARAGINE MONOHYDRATE FOR BIOCHEMISTRY

PRODUCT CODE	037020	
SYNONYMS	--	
C.I. NO.	--	
CASR NO.	(5794-13-8)	
ATOMIC OR MOLECULAR FORMULA	C₄H₈N₂O₃·H₂O	
ATOMIC OR MOLECULAR WEIGHT	150.13	
PROPERTIES	Acid to litmus, nearly insoluble in ethanol, methanol, ether and benzene, soluble in acid and alkalies.	
PARAMETER	LIMIT	
Description	A white crystals or crystalline powder.	
Solubility	3% solution in water is clear and colourless.	
Minimum Assay (Non-aqueous)	98.5%	
Specific Rotation (α) $\frac{20}{D}$ (C = 1 in 0.1N HCl)	+ 22° to + 24°	
MAXIMUM LIMIT OF IMPURITIES		
Loss on drying (at 130°C)	10 - 12.5%	
Sulphated Ash	0.1%	
Iron (Fe)	0.001%	
Lead (Pb)	0.001%	
Note(s) : Assay (if applicable) method mentioned.		
WARNING		IMDG Code :
Hazard statements Not hazardous. No hazards.		UN No. :
Precautionary statements		IATA :
Prevention: -----		
Response: ---		
Disposal: Dissolve the chemical to be disposed, in water and allow it to run to waste, diluting with large quantities of water.		
Hazard Pictogram(s) :-		

Replace Date-12-Jun.2020