



Product Specification

cdhfinechemical.com

L-GLUTAMIC ACID MONOSODIUM SALT MONOHYDRATE (MSG) DIAGNOSTIC USE

PRODUCT CODE	G24093
SYNONYMS	--
C.I. NO.	--
CASR NO.	(6106-04-3)
ATOMIC OR MOLECULAR FORMULA	$C_5H_8O_4NNa.H_2O$
ATOMIC OR MOLECULAR WEIGHT	187.13
PROPERTIES	Slightly levorotatory in water, but dextrorotatory in acid solution. Sparingly soluble in alcohol.
PARAMETER	LIMIT
Description	White, needle shape crystals/ crystalline powder.
Solubility	Soluble in water forming a clear solution.
Minimum Assay (Non-aqueous)	99.0%
pH of 10% solution in water	6.00 - 8.00
Specific rotation (α) _D ²⁰ (C=2, in 5N HCl)	+ 23° to + 25°
MAXIMUM LIMIT OF IMPURITIES	
Loss on drying (@ 100 °C for 5 hrs)	0.1%
Chloride (Cl)	0.1%
Sulphate (SO ₄)	0.01%
Iron (Fe)	0.001%
Heavy Metals (Pb)	0.001%
Copper (Cu)	0.001%
Zinc (Zn)	0.001%
Note(s) : Assay (if applicable) method mentioned.	
DANGER-- Hazard statements : -- Precautionary statements-- Prevention : -- Response : --	IMDG Code : UN No. : IATA :
Disposal: --	
Hazard Pictogram(s) :--	