

1148– DL-ASPARAGINE (MONO)

Ref No: TBL/QA/SS/LC/1148	STANDARD SPECIFICATION FOR DL-ASPARAGINE (MONO)	Rev. No: 03
Issue No: 04		Review Date: 31/10/2024
Issue Date: 01/11/2021		Product code: 1148

PRODUCT PROPERTIES

C.A.S Number	3130-87-8
Chemical Formula	$C_4H_8N_2O_3 \cdot H_2O$
Formula weight	150.14
Functional Uses	DL-asparagine is a racemic mixture of the non-essential amino acids, L and D-asparagine. It is generally used in growth-media for bacteria-growth. DL-Asparagine monohydrate can also be used to synthesize other salts such as DL-asparaginium perchlorate, DL-asparaginium nitrate and dimethyl DL-aspartate.
Standard Packaging	25 gm ,100 gm

PHYSICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
Appearance	White to off white crystals/crystalline powder.
Solubility	Soluble in water.

CHEMICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
Loss on drying	11.5 – 12.7%
Chloride (Cl)	NMT – 0.03%
Heavy metals (Pb)	NMT – 0.1%
Sulphated ash	NMT – 0.5%
Assay	NLT – 98.5%

NOTE: Please consult the Material Safety Data Sheet for information regarding hazards and safe handling Practices.

