Penta Fine Ingredients, Inc.

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TECHNICAL DATA SHEET

PRODUCT NAME: L-ASPARAGINE MONOHYDRATE FCC GRADE		
PRODUCT CODE: 01-41805		
REV DATE: November 1, 2024	**CAS #:** 5794-13-8	**Food Grade, Kosher, Halal**

TEST	SPECIFICATIONS
MOLECULAR FORMULA	C4 H8 N2 O2 H2O
MOLECULAR WEIGHT	150.13
DESCRIPTION	WHITE CRYSTALS OR CRYSTALLINE POWDER
IDENTIFICATION	TO PASS TEST
ASSAY (On Dried Basis)	NOT LESS THAN 98.0% AND NOT MORE THAN 101.5%
LEAD	NOT MORE THAN 5 MG/KG
LOSS ON DRYING	BETWEEN 11.5% AND 12.5%
OPTICAL ROTATION @20° C (ON DRIED BASIS)	BETWEEN 33.0° TO 36.5°
RESIDUE ON IGNITION	NOT MORE THAN 0.1%
SOLUBILITY	SOLUBLE IN WATER, PRACTICALLY INSOLUBLE IN ALCOHOL AND ETHER
PACKING & STORAGE	STORE IN WELL-CLOSED, LIGHT RESISTENT CONTAINERS