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Specification Sheet

Product Name	DL-PHENYLALANINE	
TEST ITEM	**SPECIFICATION**	**METHOD**
Appearance	White crystal or crystalline powder	Visual
Identification	Pass test	Infrared absorption<197K>
Assay (Dried Basis)	98.5 ~ 101.5%	FCC Blank determination
Loss on Drying	Not more than 0.20%	FCC/USP <731>
Residue on Ignition	Not more than 0.10%	FCC/USP <281>
Ph (1 in 100 Aquecus soin)	5.4 ~ 6.0	USP <791>
Specific Rotation	$[a]^{20}$ o -33.0^0 ~ 35.2^0	FCC/USP <781 S>
Heavy metals (As Pb)	Not more than 15 mg/kg	USP <231> Method II
Lead	Not more than 5 mg/kg	FCC. Lead Limit Test
Iron	Not more than 0.003%	USP <241>
Chloride	Not more than 0.05%	USP <221>
Sulfate	Not more than 0.03%	USP <221>
Chromatographic impurities (%)	NMT 0.5 of individual Impurity	USP <621>
	NMT 2.0 total Impurity	
Organic volaties impurities	Meets the requirement	USP <467> Method I
MICROBIOLOGICAL PROPERTIES		
Total Plate Count	NMT 1000 cfu/g	USP <61>
Mold & Yeast	NMT 100 cfu/g	USP <61>
Coliforms	Negative	USP <61>
Eschorichie Coli	Negative	USP <61>
Salmonella	Negative	USP <61>
Staphylococcus Aureus	Negative /10g	USP <61>

Note: The above information is based on the specification sheet received from the manufacturer of this product and not intended as a substitute for strict quality control analysis by the purchaser of this product.

Reviewed by : _____

Abdullah Malik (QA)