

TECHNICAL DATA SHEET

Product	NIACINAMIDE USP (500ppm)
Formula	C ₆ H ₆ N ₂ O
CAS No.	98-92-0
Molecular Weight	122.13

ITEMS	SPECIFICATION
Appearance	White crystalline particles or powder. Odorless
Melting point, °C	128~131
Absorption coefficient, (261nm)	417~443
Color reaction	Pass the test
Ultraviolet absorption	Max absorption at 261nm, Minimum absorption at 245nm and the A245/A262 is 0.63-0.67
Infrared absorption	The test sample atlas shall be consistent with the standard sample Atlas
pH (100g/L)	6.0~7.5
Clarity and color of solution	The solution should be clarified, if the color is lighter than the BY7 standard control solution
Loss on drying, %	≤0.5
Ignition residue, %	≤0.1
Assay (C ₆ H ₆ N ₂ O), %	≥99.9
Risky substances	Heavy metal(ppm), ≤20
	Chloride(ppm), ≤70
	Sulfate(ppm), ≤190
	Lead(ppm), ≤2
	Arsenic(ppm), ≤2
Relative substances	3-Cyanopyridine, ND
	Maximum unknown impurity, ≤0.1%
	Total impurities, ≤0.2%
Niacin(HPLC),mg/kg	≤500

PACKING: 25KG/Carton, also can be customized according to customers' requirements.

STORAGE: Store in a dry, cool, ventilated warehouse, no fire source, avoid direct sunshine.