

Niacinamide

CAS#: 98-92-0

ANALYSIS ITEMS	SPECIFICATIONS		RESULTS
	BP2018	USP41	
APPEARANCE	WHITE CRYSTALLINE POWDER	WHITE CRYSTALLINE POWDER	COMPLIES
SOLUBILITY	FREE SOLUBLE IN WATER AND IN ETHANOL, SLIGHTLY SOLUBLE IN METHYLENE CHLORIDE	-----	COMPLIES
MELTING POINT	128.0°C~131.0°C	128.0°C~131.0°C	130.3°C~130.4°C
IDENTIFICATION IR TEST	THE IR ABSORPTION SPECTRUM IS CONCORDANT WITH THE SPECTRUM OBTAINED WITH NICOTINAMIDE CRS	THE IR ABSORPTION SPECTRUM IS CONCORDANT WITH THE SPECTRUM OF REFERENCE STANDARD	COMPLIES
UV TEST	-----	RATIO:A245/A262, BETWEEN 0.63 AND 0.67	COMPLIES
APPEARANCE OF 5%W/V SOLUTION	NOT MORE INTENSELY COLOURED THAN REFERENCE SOLUTION BY7	-----	COMPLIES
PH OF 5% W/V SOLUTION	6.0~7.5	-----	7.23
LOSS ON DRYING	≤0.5%	≤ 0.5%	0.20%
SULPHATED ASH/ RESIDUEON IGNITION	≤0.1%	≤ 0.1%	0.04%
HEAVY METALS	≤30 ppm	-----	<20ppm
ASSAY	99.0%~101.0%	98.5%~101.5%	99.83%
RELATED SUBSTANCES	TEST AS PER BP2018	-----	COMPLIES
READILY CARBONIZABLE SUBSTANCES	-----	TEST AS PER USP41	COMPLIES
FREE NIACIN	BY REVERSE PHASE HPLC		69ppm
CONCLUSION	UP TO USP41 AND BP2018 STANDARDS		