



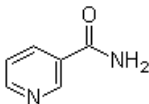
HANGZHOU DINGYAN CHEM CO.,LTD

TEL: 86-571-87157530,86465881,88025800, FAX:86-571-87156470

E-Mail:sales@dingyanchem.com,Web: www.dingyanchem.com

CERTIFICATE OF ANALYSIS

NO: DYC0917030216

Product Name	Nicotinamide
CAS Number	98-92-0
Molecule Structure	
Molecule Formula	C₆H₆N₂O
Batch Quantity	1000 KGS
Batch Number	16120303
Packing	25 KG/DRUM
Mfg. & Exp. Date	2016-12-03 &2019-12-02
Testing Date	2016-12-08

Items	Standard	Result
Appearance	White to off-white crystalline powder, or colorless crystal	White crystalline powder
Identification	IR: Spectrum of sample solution should correspond to that of the ref. standard	Conform
	UV: A _{245nm} /A _{262nm} should between 0.63~0.67	0.66
Solubility	Freely soluble in water & in ethanol; Practically insoluble in diethyl ether.	Conform
Melting point	128.0~131.0℃	128.3 ~ 128.6℃
Loss on drying	NMT 0.5% w/w	0.41%
Residue on ignition	NMT 0.1% w/w	0.08%
Heavy metals	NMT 30ppm	Conform
Readily carbonizable substances	Should conform to USP32	Conform



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Organic volatile impurities	Should conform to USP32	Conform
Residual solvents	Should conform to USP32	Conform
Assay (HPLC)	98.5~101.5% (calculated as C ₆ H ₆ N ₂ O, on dried basis)	99.4%
Conclusion	This product conforms to USP32 standard.	

Hangzhou Dingyan Chem Co., Ltd.
QUALITY CONTROL *Liny Tang*

CHECK: 姚仙娟

INSPECTOR: 刘清风