



兄弟科技股份有限公司

BROTHER ENTERPRISES HOLDING CO., LTD.

ZHOUWANGMIAO, HAINING CITY, ZHEJIANG PROVINCE, CHINA www.brother.com.cn

CERTIFICATE OF ANALYSIS

FOOD ADDITIVE			
Product	Nicotinamide		
Batch No.	NM15123103	MFG.Date	Dec 31, 2015
Quantity	5000KG	EXP. Date	Dec 30, 2018
PO	XK-2016-0003B	Date of Analysis	Dec 31, 2015

Test Items	Standard	Test method	Results
	USP38		
Assay, %	98.5-101.5	HPLC	99.7
Identification A	Conform	IR	Conform
Identification B (Ratio:A ₂₄₅ /A ₂₆₂)	0.63-0.67	UV	0.66
Melting range, °C	128-131	Melting point apparatus	129.5-130.3
Loss on drying, %	≤ 0.5	Silica gel drier	0.02
Residue on ignition, %	≤ 0.1	High temperature ignition	0.05
Heavy metals, %	≤ 0.003	Colorimetry	Conform
Readily carbonizable substances	Conform	Colorimetry	Conform
Conclusion	This material complies with USP38		

Reported By: Shu Pingying

Checked By: Duan Meiting

Approved By: Jiang Kai

