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VCRC-25A2001

CERTIFICATE OF ANALYSIS

Sample Name: Niacinamide
 REPORT NO.: 20240671
 Pack specification: 25 kg
 Batch Number: RN312407004 Y
 Production Quantity: 2000 Kg
 Manufacture Date: 2024.07.26
 Expiry Date: 2027.07.25
 Test Date: 2024.07.27

Sample Analysis Information

Test Items	Reference Criteria		Inspection Results	Individual Judgment
	USP40	Test Method		
Appearance and Trait	White crystalline powder or granular powder; Odourless or almost odourless, taste bitter	Visual and smell	White granular powder, odourless	Pass
Identification A	Consistent with Reference Standard	IR	Conform	Pass
Identification B (Ratio: A ₂₄₅ /A ₂₆₂)	0.63~0.67	UV	0.65	Pass
Assay, %	98.5~101.5	HPLC	99.6	Pass
Melting Point, °C	128~131	Melting point apparatus	128.9~129.3	Pass
Loss on drying, %	≤0.50	Silica gel drier	0.10	Pass
Heavy metals, %	≤0.003	Colorimetry	<0.003	Pass
Residue on ignition, %	≤0.10	High temperature ignition	0.01	Pass
Readily carbonizable substances	The Sample Solution Has no more color than Reference solution	Colorimetry	Conform	Pass
Solubility	Free Soluble In Water And In ethanol, Slightly Soluble In methylene Chloride And Glycerol		Conform	Pass