



Certificate of Analysis

ASEAN Reference Substance (ARS)

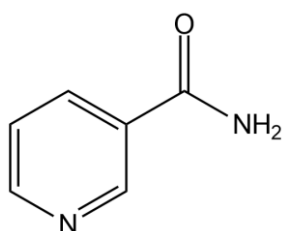
Issued by ASEAN Reference Substances Working Group (ARSWG)

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NIACINAMIDE

Control No. M 225130



CAS No. : 98-92-0
Molecular Formula : C₆H₆N₂O
Molecular Weight : 122.12

Description	: A white, crystalline powder
Identification	
Infrared absorption	: Concordant with the reference spectrum of Niacinamide USPRS
Light absorption	: The A ₂₄₅ /A ₂₆₂ ratio is within 0.63-0.67
Melting range	: Between 128°C and 131°C
Impurities	
Readily carbonizable substances test	: The sample solution has no more color than <i>Matching Fluid A</i>
Loss on drying	: 0.01%
Assay	: 100.16% of C ₆ H ₆ N ₂ O, calculated on the dried basis, determined by HPLC method, compared with USPRS
Intended use	: For HPLC, chemical assay and identification
Direction for use	: Dry over silica gel for 4 hours before use
Storage	: Keep container tightly closed and protected from light, preferably at the temperature 2-8 °C

Date of Adoption : 1 August 2025

Next Retest Date : 1 August 2028