

CHEMICALSTORE.COM

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Certificate of Analysis for Synthetic Capsaicin

Standard: GB/10351—89

Product Information:

Product Name	Nonivamide (Capsaicin, Synthetic Powder)
Packaging Specification	1KG-25KG
Quantity	25KG
Lot Number (Batch Number)	Q7C1052 (20260225)
Production Date	Feb. 25, 2026
QC/ Test Date	Feb. 25, 2026

Test Results:

Test Item	Specification	Result
Appearance	White powder/granules	Conforms
Chemical Name	N-Vanillyl-n-nonanamide (N-(4-hydroxy-3-methoxybenzyl)nonanamide)	Conforms
Odor	Strong pungent smell with very strong irritant	Conforms
Capsaicin Content	$\geq 98\%$, HPLC	98.30%
Molecular Weight	293.4	293.4
Melting Point	56-58°C	56-59°C
Decomposition Temperature	340°C	340°C
Water Solubility	27 ppm at 25°C. Soluble in alcohols and organic solvents (e.g., methanol, propanol, chloroform, ether, and alkaline aqueous solutions)	Conforms
Loss on drying	$\leq 5\%$	<5%
Residue on Ignition	$\leq 5\%$	<5%
Total Heavy Metal	≤ 10 ppm	Complies
Arsenic (As)	≤ 2 ppm	Complies
Cadmium (Cd)	≤ 1 ppm	Complies
Lead (Pb)	≤ 3 ppm	Complies
Mercury (Hg)	≤ 0.1 ppm	Complies
Total Bacteria Count	≤ 1000 cfu/g	Complies
Shelf Life	2 years when stored in dry conditions	

Conclusion: This product is inspected according to industry standard methods.

Examination Clerk: Zeng Aimin

Storage Conditions: Avoid light, ensure ventilation, keep cool and seal tightly.

Reviewer: Hu Shuping (Inspector)

Disclaimer:

For informational purposes only. Results are based on a representative sample and may not reflect the entire batch. Data may include third-party sources. Users must independently verify suitability and quality. No warranties are expressed or implied; supplier assumes no liability for errors, omissions, or variations.