

# CHEMICALSTORE.COM

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## Certificate of Analysis for Synthetic Capsaicin

Standard: GB/10351—89

### Product Information:

Product Name	Capsaicin (Synthetic Powder)
Packaging Specification	1KG-25KG
Quantity	545KG
Lot Number (Batch Number)	NBC869 (UJ-230726)
Production Date	July 26, 2023
QC/ Test Date	Nov 18, 2024

### 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 sensation	Conforms
Capsaicin Content	≥97.5%	≥98%
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
Shelf Life	2 years when stored in dry conditions	

Note: Complies with Chinese Pharmacopoeia (2010 Edition) and British Pharmacopoeia (2000 Edition)

Inspector: 03

Reviewer: Zhang Shuai (Quality Control Dept.)

**Approved by**

**Quality Control Manager**

**11/18/2024**

Test data are excerpts/ translations from the manufacturer's COA in Chinese.