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Specification

Concerning Product:	
Article number	165450179V01
Trade name / designation / denomination	Neotam, E-961
CAS number	165450-17-9
Other names / synonyms	•(3R)-3-(3,3-dimethylbutylamino)-4-[[(2R)-1-methoxy-1-oxo-3-phenylpropan-2-yl]amino]-4-oxobutanoic acid; •L-Phenylalanine, N-(3,3-dimethylbutyl)-L-α-aspartyl-, 2-methyl ester;
EC number	605-408-8
Molecular weight [g / mol]	378.4626
Formula	$C_{20}H_{30}N_2O_5$

Parameter	Test Method	Specification	Unit
Organoleptic test			
Appearance		White powder or white crystalline granule.	
Physical parameter			
Water content	USP/FCC11	(25±5mg) ≤ 5,0	%
pH value	USP/FCC11	(0.5% solution) 5,0 – 7,0	
Specific Optical Rotation	USP/FCC11	([α]20D 0.5% solution, on dry basis): -40,0° and -43,4°	°
Melting range	GB/T 617-2006	81 – 84	°C
Solubility		4.75%(w/w) at 60 ℃ in water, soluble in ethanol and ethyl acetate	
Identity			
Assay	USP/FCC11	(on dry basis) 97,0 – 102,0	%
Identification	USP/FCC11/GB	complies	
Impurities			
Sulphated ash	USP/FCC11	≤ 0,2	%
Related substances	USP/FCC11	N-[N-(3,3-Dimethylbutyl)-α- aspartyl]-L-phenylalanine: ≤ 1,5	% [w/w]
Related substances	USP/FCC11	other: ≤ 2,0	% [w/w]
Elemental Impurities			
Lead (Pb)	USP/FCC11	≤ 1	mg/kg
Microbiological data			
Aerobic microorganisms	GB4789.2-2022	≤ 250	CFU/g
Escherichia Coli.	GB4789.38-2012	≤ 10	CFU/g
Salmonella	GB4789.4-2016	neg. in 25g	
Staphylococcus Aureus	GB4789.10-2016	neg. in 25g	
Yeast and Mould	GB4789.15-2016	≤ 100	CFU/g

Regulatory information:

GMO statement: This product is processed with non-GMO raw material, conforming to the requirements of legislation on GMOs in force in EC No. 1829/2003 and No. 1830/2003.

Supplemental information:

Shelf life: 5 years

Storage conditions: Ambient and dry storage conditions, typically 15°C to 30°C (59°F to 86°F) and 35% to 60% relative humidity, in a well-closed container. It should be stored to avoid high heat and humidity and with the inner bags sealed until ready to use.

Regional origin: CN

Usage: Kosher Status: Kosher and pareve | Halal Status: Halal and Islamic

Non-nutritive Sweetener, Flavour enhancer

Chemische Werke Hommel GmbH & Co.KG
This document was generated electronically and is valid without signature.
Waltrop, 29. Aug. 2025

LF-Basis: 2024-10-22 ()

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