



Specification

Concerning Product:	
Article number	165450179CUL
Trade name / designation / denomination	Neotam, USP
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 ₂ O ₅

Parameter	Specification	Unit
Organoleptic test		
Appearance	white to off-white Powder	
Flavor and taste	7000-13000 times as sweeter as sucrose	
Physical parameter		
Loss on drying	≤ 5,0	%
pH value	(5g/l solutin) 5,0 – 7,0	
Specific Optical Rotation	-40,0 – -43,4	°
Identity		
Assay	97,0 – 102,0	% [w/w]
Impurities		
Residue on ignition	≤ 0,2	%
Impurity	≤ 2,0	%
Impurity	N-[N-(3,3-Dimethylbutyl)-Aspartyl]-L-Phenylalanine ≤ 1,5	%
Related substances	A: ≤ 2,0	% [w/w]
Elemental Impurities		
Lead (Pb)	≤ 1	ppm

Supplemental information:

Shelf life: 2 years

Derivation: synthetic

Packing: 25 kg Carton

Conclusion: Complies with In-house standard.

Chemische Werke Hommel GmbH & Co.KG

This document was generated electronically and is valid without signature.

Waltrop, 18. Oct. 2019

We only confirm that we took over the data from our supplier accordingly. Despite careful working, errors in the takeover are not totally excluded. Some or all parts of the document may be translated due to our best knowledge from the original to give a better understanding. If you have any questions about specific details, please call us directly. Unless otherwise marked, these data do not originate from us and have not been tested by us on the correctness. The above information corresponds to the present state of our knowledge and is intended as a general description of our products and their possible applications. We make no warranties, expressed or implied, as to the information's accuracy, adequacy, sufficiency or freedom from defect and assumes no liability in connection with any use of this information. Any user of this product is responsible for determining the suitability of our products for its particular application. The foregoing information does not absolve the buyer of its own tests. Observing existing laws and regulations, is the responsibility of the buyer of our product. Nothing included in this information waives any of our General Terms and Conditions of Sale, which control unless it agrees other in writing. Any existing intellectual/industrial property rights must be observed. Due to possible changes in our products and applicable national and international regulations and laws, the status of our products could change. Material Safety Data Sheets providing safety precautions, that should be observed when handling or storing our products, are available upon request and are provided in compliance with applicable law. The user should obtain and review the applicable Material Safety Data Sheet information before handling any of these products.