

CERTIFICATE OF ANALYSIS

Product Name : Neotame	Batch No. : 21050301
CAS No. : [165450-17-9]	Test Date : May 7, 2021
Molecular Formula : C ₂₀ H ₃₀ N ₂ O ₅	Manu. Date : May 6, 2021
Quantity : 200 KG	Expiry Date : May 5, 2023
Particle Size : 95% pass 100 mesh	

Items	Specification	Results
Identification	• INFRARED ABSORPTION The sample spectrum must match with the spectrum of standard.	Complies
Appearance	White to off-white powder	Complies
Assay (dry basis), w/%	97.0~102.0	99.14
N-[N-(3,3-Dimethylbutyl)-a-Aspartyl]-L-Phenylalanine, w/%	≤1.5	0.368
Water, w/%	≤5.0	4.31
Solubility	Very soluble in Alcohol & Ethyl Acetate 1.26 % (w/w) at 25 °C in water 4.75 % (w/w) at 60 °C in water	Complies
Specific Rotation $a_m (20^\circ\text{C}, D)/[(^\circ)\cdot\text{dm}^2\cdot\text{kg}^{-1}]$	-40.0~-43.3	-41.601
Melting point	81°C~84°C	82.7°C
Related Substances, w/%	≤2.0	0.412
Ignited Residue, w/%	≤0.2	0.05
Residual Solvents	Negative	Complies
pH (5g/L Solution)	5.0~7.0	5.55
Lead (Pb), ppm	≤1	Complies
Total aerobic bacteria	≤250 cfu/g	Complies
Coliform	≤10 mpn/g	Complies
Fungi	≤100 cfu/g	Complies
Shigella	Negative	Complies
Salmonella	Negative	Complies
Staphylococcus aureus	Negative	Complies

Storage Conditions: Preserve in well-closed containers, store in a dry place, and avoid exposure to excessive heat.

Shelf Life: 2 years while stored in original packing under above stated condition.

Conclusion: The product complies with USP & GB 29944-2013.

Approved: Wang Zhendong

Inspector: Liu Xin