



Wuhan Oner Biotech Co.,Ltd.

Changqing 5th Road, Wuhan City 430023, Hubei Province, China

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CERTIFICATE OF ANALYSIS

Product Name	L-Carnosine		
Batch Number	ONB-202204	Packing	20kg/drum
MFG	2022.04.28	Expiry Date	2024.04.27
Report Date	2022.04.29	Quantity	200kg

Items	Quality Standard	Results
Appearance	Off-white or white powder	White powder
HPLC Identification	Consistent with the reference substance main peak retention time	Conforms
Specific rotation	+20.0° ~ +22.0°	+21.2°
Heavy metals	≤10ppm	Conforms
PH	7.5~8.5	8.2
Loss of dry	≤1.0%	0.01%
Lead	≤3ppm	Conforms
Arsenic	≤1ppm	Conforms
Cadmium	≤1ppm	Conforms
Mercury	≤0.1ppm	Conforms
Melting point	250.0°C~265°C	254.4°C~255.7°C
Residue ignition	≤0.1%	0.07%
Hydrazine	≤2ppm	Conforms
Bulk density	—	0.24g/ml
Tapped density	—	0.51g/ml
L-histidine	≤0.3%	0.06%
Assay	99.0%~101.0%	99.7%



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Total aerobes counts	$\leq 100\text{CFU/g}$	$< 5\text{CFU/g}$
Mold & Yeast	$\leq 100\text{CFU/g}$	$< 3\text{CFU/g}$
E. Coli	Negative	Not Detectable
Salmonella	Negative	Not Detectable
Conclusion	All items conform to the in-house specification	

