



L-Carnosine

INCI name:	Carnosine
Trade name:	L-Carnosine (Amino acid)
CAS-No.:	305-84-0
Application:	cosmetics
Packaging:	in fiber drums
Filling quantity	1 kg per fiber drum 5 kg per fiber drum
Shelf life:	up to 2 years, not opened
Storage conditions:	dry and cool avoid direct sunlight and heat

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Product Spezification **L-Carnosine**

Test	Specification	Batch No. 1905004
Appearance	white or almost white powder, odorless	conforms
Identification (HPLC)	the retention time of principle peak complies with that of the reference standard	conforms
Loss on drying	< 1,0 %	0,09 %
Heavy metals	< 10 ppm	conforms
Residue on Ignition	< 0,10 %	0,05 %
Specific optical rotation	$[\alpha]=+20,0^{\circ} - +22,0^{\circ}$	+21,3°
Melting point	250 – 265° C	250,5 – 251,5° C
pH (in 2 % water)	7,5 – 8,5	8,2
L-Histidine	< 1,0 %	0,04 %
B-Alanine	< 0,1 %	ND
Total bacteria counts	< 1000 cfu/g	5 cfu/g
Molds & yeast	< 100 cfu/g	< 10 cfu/g
E.coli	negative/g	negative
Salmonella	negative/g	negative
Assay	99 – 101 %	100 %