

# Dipeptide-2

<b>INCI</b>	Dipeptide-2
<b>Peptide Sequence:</b>	VW
<b>Molecular Formula:</b>	$C_{16}H_{21}N_3O_3$
<b>Molecular weight:</b>	303.36
<b>Cas No.:</b>	24587-37-9
<b>Synonym:</b>	-
<b>Application:</b>	cosmetics - it can be incorporated in cosmetic formulations where a reduction of puffiness under the eyes is desired
<b>Packaging:</b>	bottle
<b>Filling quantity:</b>	1 g / bottle 5 g / bottle 10 g / bottle 100 g / bottle special packaging upon request
<b>Storage and shelf life:</b>	cool, dark and clean place -20°C shelf life 36 months 2 - 8 °C shelf life 12 months



# Product Specification

## Dipeptide-2

Test	Specification	Batch 1805DP2
Appearance	white powder	conforms
Identity by HPLC	the retention is same with the reference substance	conforms
Identity by MS	303.36±1	conforms
Solubility	slightly soluble in water	conforms
Peptide purity (by HPLC)	≥ 95 % by area integration	98.51 %
Water content (Karl Fischer)	≤ 8 %	7.83 %
Amino acid composition	± 10 % of theoretical	conforms
Acetate content	< 15 %	0,79 %

### Characteristics:

Inhibit of angiotension converting enzyme and stimulate the drainage.

Use level: 0.005 %, maximum 0.7 % (water soluble, optimum pH 5-7)

Dipeptide-2 should be incorporated at the final stage of the manufacturing product, provided the temperature is below 40 °C.

### Cosmetic benefits

- anti-wrinkle
- skin lifting
- hair growth

