

# Hexapeptide-11

<b>INCI</b>	Hexapeptide-11
<b>Peptide Sequence:</b>	Phe-Val-Ala-Pro-Phe-Pro
<b>Molecular Formula:</b>	C <sub>36</sub> H <sub>48</sub> N <sub>6</sub> O <sub>7</sub>
<b>Molecular weight:</b>	676.8
<b>Cas No.:</b>	100684-36-4
<b>Synonym:</b>	Peptamide 6
<b>Application:</b>	cosmetics
<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

## Hexapeptide-11

Test	Specification	Batch YS210601
Appearance	white to off-white powder	conforms
Identity by HPLC	the retention is same with the reference substance	conforms
Identity by MS	676.8±1	676.32
Solubility	soluble in water	conforms
Peptide purity (by HPLC)	> 95 %	99.03 %
Water content (Karl Fischer)	< 8 %	2.87 %
Acetic acid content	< 15 %	2.83 %

### Characteristics

Hexapeptide-11 is a bio fermented peptide that has been shown in studies, run on human dermal fibroblasts, to upregulate key genes responsible for collagen production and important extracellular matrix components such as hyaluronic acid.

Use level: 0.001 %, maximum 0.01 % (water soluble, optimum pH 5-7)

Hexapeptide-11 should be incorporated at the final stage of the manufacturing, provided the temperature is below 40 °C.

### Cosmetic benefits

Hexapeptide-11 is a natural peptide (derived from baker's yeast) shown in clinical studies to promote collagen and elastin formation, helping to firm and maintain skin integrity.

