



Your reliable healthcare partner

**USV** Peptides

Custom Peptides

Therapeutic Peptides

Cosmetic Peptides

Research Grade Peptides

GMP Peptides

### A Global Peptide Leader

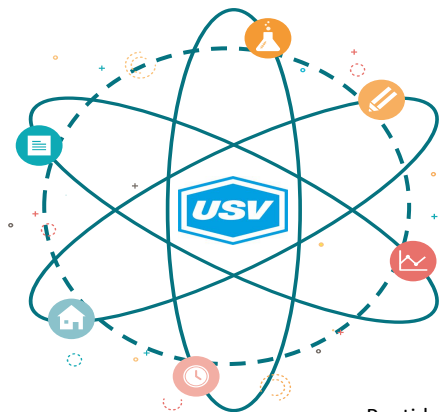
State-of-the-art R&D,  
2500+ sequence synthesized

### Custom Peptides

Complex, modified peptides  
with >99 AA, sequences with  
multiple SS bonds

### Specialty Chemicals

Modified amino acids, alcohols,  
resins, and specialty chemicals



### Technology

SPPS & Solution Phase Synthesis  
PV, AMV, CMC support

### Regulatory Support

DMF filing, regulatory support  
FDA, EMEA & global MOHs

### Peptides : One-stop shop

Peptides for drug discovery, development,  
Peptides finished formulations

### Equipments

Microwave assisted peptide synthesizer,  
fully automated synthesizers, 450mm columns

### Modifications

N & C-terminal modification, Peptide conjugation  
and Biotinylated peptides

### Derivatization

Fluorescent tagged peptides, phosphorylated  
Peptides and Peptide libraries

### GMP Certified

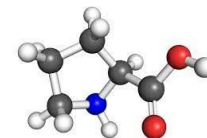
Grams to Multi Kilo scale synthesis of Peptides  
in GMP and Non GMP



Connect with our experts at

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USV Peptides is a part of \$450 Mn USV Pvt. Ltd. with US FDA approved Plants for Peptide API & formulations located in India. USV has Regulatory approvals in place from MHRA, Korean FDA, TGA Australia, Berlin FDA, WHO & Hamburg Health Authority .

USV's Custom Peptide Synthesis and Specialty Chemicals Division specializes in the following:

- Synthesis of conventional, complex, and modified peptides in quantities ranging from milligram to multi-kilogram under both GMP and non-GMP environment
- Synthesis of modified amino acids, amino alcohols, resins, and specialty chemicals at laboratory and commercial scale

At USV, our USFDA-approved GMP manufacturing facilities, state-of-the-art R&D laboratory, and expertise enable us to produce single batch multi-gram research and GMP-grade peptides to suit your exact requirements.

### Custom Peptides offerings

Custom Peptides with GMP	Cosmetic Peptides
Therapeutic Peptides	Research Grade Peptides
Fish Feed analogues / Animal nutrition	Modified amino acids, amino alcohols, resins, and specialty chemicals

Any custom sequence required for amino acid could be synthesized

- 2500+ peptides synthesized till date,
- Scale of synthesis: milligram to multi grams at non-GMP & GMP level
- Delivered : Amino acid length from di-peptide to 99 AA peptide

We would be in a position to provide you with a range of custom peptide services including:

1. Non GMP Synthesis 50, 100, 250,500, 1000 Grams Both solid & Solution phase
2. Multi Kgs- Non GMP Manufacturing: Both solid & solution phase
3. Scale-up & commercial Production: GMP - 250, 500, 1000g , Multi Kgs
4. Analytical and process validation
5. Stability studies

6. Chemistry, Manufacturing, and Controls (CMC)
7. Drug Master Files (DMF)
8. Regulatory support FDA, EMEA & other global regulatory bodies.
9. Multi-kg/year production

Sharing below a few of the **Cosmetic Peptides** for your reference.

Our list of popular cosmetic peptides include heptapeptides, hexapeptides, pentapeptides, tetrapeptides, tripeptides, dipeptides as well as peptide mixtures.

1. Heptapeptide-8: consists of arginine, isoleucine, leucine and phenylalanine; acts on the dermal-epidermal junction.
2. Palmitoyl Oligopeptide: corresponds to the fragment from which elastin originates.
3. Acetyl Hexapeptide-8: used in anti-ageing products for reduction of wrinkles and facial lines.
4. Acetyl Hexapeptide-3: a synthetic anti-wrinkle cosmetics ingredient.
5. Cyclopeptide-5: regulates genes stimulating important basement membrane and growth factors. It has skin smoothing activity.
6. Palmitoyl Pentapeptide-4: reduces facial lines/ wrinkles without affecting the skin barrier properties.
7. Palmitoyl Oligopeptide: stimulates collagen and glycosaminoglycans synthesis.
8. Mixture: Palmitoyl Oligopeptide & Palmitoyl Tetrapeptide-7: activates extracellular matrix renewal and cell proliferation. It stimulates collagen I, fibronectin and hyaluronic acid synthesis.
9. Decapeptide: it is a re-pigmenting agent used in Vitiligo. Decapeptide initiates migration of melanocytes from the area of skin surrounding the vitiligo patch in turn stimulating production of melanin and restores the skin color.
10. Salmon GnRH + Domperidone injection: it is a GnRH analog used in spermeation and ovulation of fish.

Do not hesitate to write back to us in case of any inquiries for custom peptides / specialty chemicals requirements or any further information required.

Email : [custom.synthesis@usv.in](mailto:custom.synthesis@usv.in)