Palmitoyl Tripeptide-1

Palmitoyl tripeptide-1 is a lipid-modified peptide considered for topical cosmetic systems. The proposed grade should be compared by sequence identity, purity, net peptide content and its supplied form.

Material identity

Ingredient identity	Palmitoyl Tripeptide-1
CAS reference	147732-56-7
Catalog appearance	White lyophilized powder

Catalog technical specifications

The following are published catalog reference specifications, not analytical results for a supplied lot. Confirm the current specification, method and batch COA before approval.

Purity (HPLC)	>= 98.0%
Identity (MS)	Sequence-confirmed
Truncated sequences	<= 1.0% each, reported
Water content	<= 5.0%
Counter-ion (acetate)	Reported per lot
Total plate count	<= 100 CFU/g
Shelf life	24 months, 2-8°C

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Selection and qualification

What to check for this grade

01. Request identity evidence and the assay definition, including how water and counter-ions are handled.

02. Confirm whether the quotation covers neat powder or a carrier-based preparation.

03. Follow the grade-specific dispersion and processing guidance and assess compatibility in the complete formula.

Single peptide vs Multi-peptide blend

A blend adds other ingredients and a composition ratio; compare the actual peptide content before deciding whether it meets the brief.

Does HPLC purity equal peptide content as supplied?

Not necessarily. Ask how purity and net peptide content are determined and how water, salts and carrier ingredients affect the supplied material.

Prepare the sample and purchasing brief

Provide the intended formula format, destination market, trial quantity and acceptance criteria. Request the current COA, SDS and TDS, full composition, and relevant storage and handling instructions. Confirm pricing, order minimum, stock, packaging and delivery terms for the actual order.

Catalog handling reference

Packaging	0.5kg foil bag, cold chain
Storage	2-8°C
Shelf life	24 months, 2-8°C

Product details and current enquiry options

Cosmetic raw material buying guide

Contact RAWESS about this grade

For ingredient evaluation in cosmetic development. This guide is not a batch COA or a finished-product safety, efficacy or regulatory approval. Trade-name comparisons do not establish branded origin.

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