

Certificate of Analysis

Product Name	Lactoferrin 17-41
Catalog No.	V32768
Batch No.	V3276801

1. Physical and Chemical Properties

Appearance	Lightred to red brown fine powder
Molecular Formula	C ₁₄₁ H ₂₂₄ N ₄₆ O ₂₉ S ₃
Molecular Weight	3123.773
Purity	≥95%
CAS No.	146897-68-9
Production Date	2025/01/12

2. Analytical Data

Test Item	Specification	Result
Total protein w/%	≥93.0%	94.1%
Lactoferrin in total protein	≥95.0%	96.9%
Loss on drying w/%	≤4.5%	2.8%
Ash w/%	≤2.0%	0.3%
Solubility	Soluble in water	Complies
PH	5.2-7.2	5.3
Iron Content mg/100g	≤35	10.1
Pb	≤1.0ppm	<1.0ppm
AS	≤1.0ppm	<1.0ppm

3. Structure

<p>FKCRRWQWRMKLGLAPSITCVRRRAF (Disulfide bridge: Cys3-Cys20)</p>
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4. Storage Condition

Storage Condition	Powder -20°C 3 years 4°C 2 years In solvent -80°C 6 months -20°C 1 month
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