

	Oleoylethanolamide 85% (OEA)			Product Code: EZ891259a
	Revision: ENB	Supersedes: 02A	Effective: 23/06/2023	

Specification

1. MATERIAL INFORMATION

- 1.1 Product Name: Oleoylethanolamide 85% (OEA)
1.2 CAS Number: 111-58-0
1.3 Molecular Formula: $C_{20}H_{39}NO_2$
1.4 Molecular Weight: 325.5
1.5 As per the list of 2017 and subsequent amendments of the World Anti-Doping Agency, this material is not a doping substance, nor is it a combination of doping substances.
1.6 This material contains no ingredients of ruminant origin and no materials derived from or exposed to ruminants affected by or under quarantine for Transmitting Transmissible Spongiform Encephalopathy (TSE) / Bovine Spongiform Encephalopathy (BSE) and it is conformed to the EU legislation 999/2001.

2. MATERIAL SPECIFICATIONS

2.1 Physical/Chemical Specifications

Assay/Test	Specification	Test Method
Active Ingredients		
Oleoylethanolamide Purity (%; On Dried Base)	85.0%~90%	HPLC
Physical Control		
Appearance	Fine Powder	Visual
Color	White to off-white	Visual
Identification	Positive	IR&1H NMR
Loss on Drying	5.0% Max	USP
Residue on ignition	1.0% Max	USP
Chemical Control		
Heavy metals	NMT10PPM	CPh
Lead (Pb)	NMT3PPM	ICP-MS
Total Arsenic (As)	NMT2PPM	ICP-MS
Cadmium (Cd)	NMT1PPM	ICP-MS
Total Mercury (Hg)	NMT0.1PPM	ICP-MS
Sulfate (SO ₄)	NMT0.020%	USP
Iron (Fe)	NMT10PPM	USP
Chloride (Cl)	NMT 0.020%	CPh
Solvent Residual	Meet USP Standard	GC

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2.2 Microbiological Specifications

Assay/Test	Specification	Test Method
Total Plate Count	< 1000 CFU/g	GB 4789.2-2016
<i>Escherichia coli</i>	Absent in 10g	GB 4789.3-2016
<i>Salmonella species</i>	Absent in 25g	GB 4789.4-2016
<i>Staphylococcus aureus</i>	Absent in 10g	GB 4789.10-2016
Total Molds/Yeast	< 100 CFU/g	GB 4789.15-2016

3. MANUFACTURING

- 3.1 Manufacture material using methods, techniques, and conditions to minimize contamination.
3.2 We certify that the identity, potency, purity, and quality of this material meet current MFR specifications.

4. LABELING

- 4.1 Label each container with sufficient information to prevent confusion of identity with other inventory items.
4.2 As a minimum, each shipping container clearly states in a conspicuous manner the vendor's name, batch number, product name, product code, quantity per container, and expiration date.

5. PACKAGING/STORAGE

- 5.1 We hereby certify that the packaging used complies with Commission Regulation (EC)No 1935/2004 and Regulation (EU) No 10/2011 Regarding packaging materials and articles intended to come into contact with food.
5.2 Pack in paper-drums with plastic bags inside. 25kg/drum
5.3 Ship material in a clean, tight, commercially acceptable shipping container and store in a cool, dry, light-resistant environment.
5.4 Store in a well-closed container away from moisture and direct sunlight.
5.5 This material has a recommended shelf life of 2 years when stored in a cool, dry, light resistant environment.

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