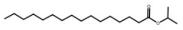
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CERTIFICATE OF ANALYSIS — Standard product specification

Isopropyl Palmitate (IPP)

CAS 142-91-6 · C19H38O2 · 98% min



STRUCTURAL FORMULA

1. PRODUCT IDENTITY

Product name	Isopropyl Palmitate (IPP)
C.A.S. number	142-91-6
Molecular formula	C19H38O2
Molecular weight	298.51 g/mol
Grade / standard	98% min
Description	Clear colorless liquid
Product group	Emollients
Category	Personal Care & Cosmetic Ingredients
Country of origin	India
Packing	Bags, drums, carboys, IBC or ISO tank as applicable — customer-specified packing available
Storage	Cool, dry, well-ventilated place in tightly closed original packing

2. ANALYTICAL SPECIFICATION

S. NO.	TEST PARAMETER	SPECIFICATION	TYPICAL RESULT	METHOD
1	Description	Clear colorless liquid	Complies	Visual
2	Identification	Conforms to the structure of the substance	Complies	FTIR / Chemical test
3	Assay	Not less than 98.0 % w/w	98.91	Titrimetry / Instrumental
4	pH (10 % solution)	As per specification	7.4	Potentiometry
5	Refractive Index at 25 °C	As per specification	Conforms	Refractometry

6	Loss on Drying	Not more than 1.0 % w/w	0.50	Gravimetry
7	Residue on Ignition	Not more than 0.2 % w/w	0.013	Gravimetry
8	Lead (Pb)	Not more than 10 ppm	Less than 2 ppm	ICP-MS
9	Arsenic (As)	Not more than 3 ppm	Less than 0.5 ppm	ICP-MS
10	Heavy Metals (as Pb)	Not more than 10 ppm	Less than 5 ppm	ICP-OES
11	Total Aerobic Microbial Count	Not more than 1000 cfu/g	92 cfu/g	IP / USP <61>
12	Total Yeast & Mould Count	Not more than 100 cfu/g	14 cfu/g	IP / USP <61>
13	Escherichia coli	Absent in 1 g	Absent	IP / USP <62>
14	Salmonella species	Absent in 10 g	Absent	IP / USP <62>

3. DECLARATION

This document sets out the standard specification for Isopropyl Palmitate (IPP) and applies to all consignments of this product and grade supplied by Scapex Exports Pvt. Ltd. It is not a lot-specific release document; a lot-specific certificate carrying the analysis of the material actually shipped is issued with, and travels with, each consignment. Scapex Exports supplies against customer-specified assay limits and pharmacopoeial standards — send your specification sheet and we confirm compliance in writing before the order is accepted.