



# CERTIFICATE OF ANALYSIS

<b>PRODUCT</b>	Imperial™ Oil
<b>LOT NUMBER</b>	O024_190318

CANNABINOID AND TERPENE PROFILE	
COMPOUND	WEIGHT %
CBD	66.10
THC	0.00
CBDA	0.48
THCA	0.00
CBG	0.93
CBN	0.00
CBC	0.23
CBDV	0.00
VARIOUS TERPENES	~2.00
*Non-detect (N/D) is defined as < 0.00 W%	

SOLVENT ANALYSIS		
SOLVENT	DETECTION	LIMITS (PPM)
ETHANOL	12.0	100

ANALYSIS PERFORMED			
NAME	Aaron Dukes	DATE	3/18/2019
<b>SIGNATURE</b>			

FDA HAS NOT EVALUATED THIS PRODUCT FOR SAFETY OR EFFICACY.

This product is exclusively derived from American-grown industrial hemp.  
Produced in an ISO-9001:2015 certified facility

PREMIER SCIENCE.  
PREMIER CBD PRODUCTS.

34501 E. Quincy Ave  
Building 65, Suite C  
Watkins, CO 80137

**720-531-1634**

## CERTIFICATE OF ANALYSIS

Product Name	Hand Cream				
Customer	Cubid				
Batch	8119F	Product Code	RJ19/05	Date	22/03/2019

### Test Results

TEST	RESULT
Appearance	White cream
Odour	Fragrance designated to the product.
Viscosity at 20°C	36,000 cps
pH at 20°C	6.66
Specific Gravity at 20°C	0.971
Microbiological Test	Report Attached

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### STORAGE CONDITIONS

Shelf life of this product is influenced by many conditions of which temperature, exposure to light/ air and general good storage are the major factors. Material stored in adverse conditions may deteriorate much faster.

The expiry date is subjective and should be controlled by QC/QA.  
Typical indicators of re-test failure would be changes in organoleptic properties (clarity/colour/sediment/haze/off odour etc)

### STABILITY

**Date of packing:**

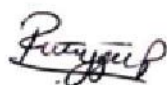
**22/03/2019**

**Commercial expiry date:**

**12 months from the date of opening.**

Certificated Created by – Production and Quality Manager


Print- RUTUJA JAQTAP

Signature- 

Date- 15/05/19

Certificate Checked by- Senior Manager

Print- Andy Juj

Signature- 

Date - 15/05/19

## Test Report

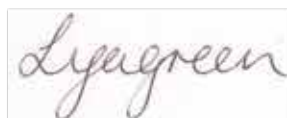
### Aerobic Mesophilic Bacterial (AMB) & Yeast and Mould (YM) Count and Detection of Specified and Non-Specified Microorganisms

Company name:	Trentpack	<b>Lab reference:</b>	9836
Address:	25, Nottingham South & Wilford Ind Est, Ruddington Lane, Wilford, Nottinghamshire NG11 7EP	<b>Number of samples:</b>	6
		Purchase order ref:	4577
Contact email:	rutuja@trentpack.co.uk	Condition on Receipt:	Satisfactory
Telephone:	0115 982 2622	Date Received:	04/04/2019
		Date on Test:	04/04/2019
		Date of Report:	07/04/2019

### Test Results

Lab Ref. No.	Sample Description	Batch Code	cfu/g		Presence or absence in 1g of sample <sup>b</sup>					
			AMB MTM 5.4.1	Y&M <sup>a</sup> MTM 5.4.3	<i>Ps aeruginosa</i>	<i>E.coli</i>	<i>Candida albicans</i>	<i>St aureus</i>	Non-Specified Organisms	Yeast & Mould
9836.1	Stay Active Cream	8119E	<10	<10	Absent	Absent	Absent	Absent	Absent	Absent
9836.2	Hand Cream	8119F	<10	<10	Absent	Absent	Absent	Absent	Absent	Absent
9836.4	Body Butter	8119H	<10	<10	Absent	Absent	Absent	Absent	Absent	Absent
9836.5	Face Cream	8119G	<10	<10	Absent	Absent	Absent	Absent	Absent	Absent
9836.6	Stay Active Gel	8119J	<10	<10	Absent	Absent	Absent	Absent	Absent	Absent

Authorised by:



Lisa Green  
 Quality Manager & Senior Microbiologist

### Aerobic Mesophilic Bacterial (AMB) & Yeast and Mould (YM) Count and Detection of Specified and Non-Specified Microorganisms

Key to terminology and methods used:

Abbreviation	Method number	Title	Standard References	Comments
AMB	MTM 5.4.1	Enumeration of Aerobic Mesophilic Bacteria by Pour Plate	BS EN ISO 21149:2017	Any colony count >300 or <30 are deemed as estimates due to statistical validity.
AMB	MTM 5.4.2	Enumeration of Aerobic Mesophilic Bacteria by Surface Spread	BS EN ISO 21149:2017	Any colony count >300 or <30 are deemed as estimates due to statistical validity.
Y&M	MTM 5.4.3	Enumeration of Yeast & Mould by Pour Plate	BS EN ISO 16212:2017	Any colony count >150 or <15 are deemed as estimates due to statistical validity.
Y&M	MTM 5.4.4	Enumeration of Yeast & Mould by Surface Spread	BS EN ISO 16212:2017	Any colony count >150 or <15 are deemed as estimates due to statistical validity.
Specified Organisms	MTM 5.4.9	Detection of Specified and Non-Specified Organisms	BS EN ISO 18415:2017	
CFU/g		Colony forming units per gram		
Spreader		Colony type which grows over the surface of the media, and is difficult to enumerate.		

<sup>a</sup>Yeast & Mould plates are routinely read and reported at 3 days, however, plates are re-incubated until 5 days when, if any amendments to colony numbers are observed, a supplementary test report will be issued.

<sup>b</sup>Test not accredited to ISO 17025.

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### Aerobic Mesophilic Bacterial (AMB) & Yeast and Mould (YM) Count and Detection of Specified and Non-Specified Microorganisms

#### **Microbiological limits for cosmetics**

The table below illustrates the microbiological limits for cosmetics as stated in BS EN ISO 17516:2014 Cosmetics – Microbiology – Microbiological limits.

<b>Types of microorganisms</b>	<b>Products specifically intended for children under three years of age, the eye area or the mucous membranes</b>	<b>Other products</b>
Total Aerobic Mesophilic Microorganisms (Bacteria plus yeast and mould)	$\leq 1 \times 10^2$ CFU per gram or ml	$\leq 1 \times 10^3$ CFU per gram or ml
<i>Escherichia coli</i>	Absence in 1 g or 1 ml	Absence in 1 g or 1 ml
<i>Pseudomonas aeruginosa</i>	Absence in 1 g or 1 ml	Absence in 1 g or 1 ml
<i>Staphylococcus aureus</i>	Absence in 1 g or 1 ml	Absence in 1 g or 1 ml
<i>Candida albicans</i>	Absence in 1 g or 1 ml	Absence in 1 g or 1 ml
Due to inherent variability of the plate count method, according to USP Chapter 61 or EP Chapter 2.6.12, Interpretation of results, results considered out of limit if a > 200 CFU/g or ml, b > 2000 CFU/g or ml. NOTE: When colonies of bacteria are detected on Sabouraud Dextrose agar, Sabouraud Dextrose agar containing antibiotics may be used.		

All samples are tested as received and the condition on receipt is deemed to be satisfactory for testing unless client is informed otherwise. If an unsatisfactory sample is received tested on instruction from the client comments are included on the report detailing this information. Results given for this may be invalid.

Results detailed above relate only to the samples tested.

This test report shall not be reproduced except in full without the approval of Melbec Microbiology Ltd.

**\*\*End of test report\*\***