



CANNASPHERE
BIOTECH™



Shelf Life Report: Lipofusion® CBD Powder 20%

Client: Vitasome Labs, LLC on behalf of Cannasphere Biotech, LLC
7613 East Ray Road, Suite 122, Mesa, AZ 85212

Date Received: 11/01/2019

Product:	LCBD20			Serving Size:		N/A	
Shelf Life- Accelerated	Target: 24 Months	Temperature: 40° C		Humidity: 70%		Study Duration: 6 Months	
Summary of Test Results							
Real Time (in months)	0	6	12	18	21	24	
Analysis	Target Limit	11/18/2019	1/2/2020	2/27/2020	4/3/2020	4/26/2020	5/19/2020
Physical							
Loss on Drying (%)	<3.00	1.28	2.23	2.46	1.68	2.99	2.21
Cannabinoid Profile							
Total Cannabinoids (mg/g)		194.6	203.4	200.3	203.4	238.0	238.1
CBD (%)		19.32	20.22	19.73	20.22	23.50	23.59
THCV (%)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
CBN (%)		<0.01	<0.01	0.02	<0.01	<0.01	<0.01
CBGA (%)		Included in CBG analysis					
d-9 THC (%)		<0.01	<0.01	<0.01	<0.01	0.02	<0.01
CBDV (%)		0.07	0.12	0.14	0.12	0.15	0.12
d-8 THC (%)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
CBG (%)		<0.01	<0.01	0.08	<0.01	0.04	0.03
CBDA (%)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
THCA (%)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
CBC (%)		0.07	<0.01	0.05	<0.01	0.08	0.06
Shelf Life Comments and Conclusions							
<p>Samples of regular production batches of product were received and logged into our Laboratory Information Management System (LIMS). Each pull date was given a unique sample number. The samples were stored in an elevated temperature oven. The samples were tested at day zero and at regular intervals for six months. Loss on drying results were within an acceptable range for this product. Cannabinoid results were consistent throughout the study. Total cannabinoids tended to increase slightly over the duration of the study. Analysis of this product for shelf life stability does not ensure safety with regards to pathogenic bacteria, such as Staph. aureus, E. coli, Listeria and Salmonella. Based on the findings from this study, a shelf life of twenty-four months at 25° C is recommended for this product.</p>							
Signature:	Kent Oostra			Date:	5/26/2020		