



## Certificate of Analysis

Product Name:	Acetyl-11-keto- $\beta$ -boswellic acid (AKBA)	Batch No.:	23042101
Source:	Frankincense	Manufacturing Date:	2023.04.21
Report Date:	2023.04.21	Expiration Date:	2025.04.20

Testing Item	Standard	Test Result	Method
<b>Appearance</b>	White Powder	White Powder	Visual
<b>Identification</b>	NMR data should be consistent	Positive	NMR
<b>Moisture by KF</b>	$\leq 2.0\%$	1.2%	USP <921 >
<b>Content</b>			
AKBA	$\geq 98.0\%$	98.5%	HPLC-external standard method
<b>Heavy Metals</b>			
Total heavy metals	$\leq 10.0\text{ppm}$	Complies	ICP-MS
Pb	$\leq 2.0\text{ppm}$	Complies	ICP-MS
As	$\leq 1.0\text{ppm}$	Complies	ICP-MS
Cd	$\leq 1.0\text{ppm}$	Complies	ICP-MS
Hg	$\leq 0.1\text{ppm}$	Complies	ICP-MS
<b>Residual Solvents</b>	$\leq 5,000\text{ppm}$	223.6ppm	USP <467 >
<b>Microbiological Test</b>			
Total Plate Count	$\leq 500\text{cfu/g}$	< 100cfu/g	AOAC
Yeast an Mold	$\leq 100\text{cfu/g}$	< 10cfu/g	AOAC
E.Coli	Absent/g	Absent	AOAC
P.Aeruginosa	Absent/g	Absent	AOAC
Staphylococcus	Absent/g	Absent	AOAC
C.albicans	Absent/g	Absent	AOAC
<b>Storage:</b> In sealed aluminum foil bag,in a cool,dark and dry place protected from direct source of heat and sunlight.			
<b>Shelf Life:</b> 24 months under the above condition, and in its original package.			
<b>Packing:</b> 1kg/aluminum foil bag			
<b>Conclusion:</b> The above results meet the requirements.			

Analyst:

Checker:

Quality Control Dept: