

 JAI RAMDASS KHUSHIRAM SINCE 1875	JK BOTANICALS PRIVATE LIMITED		
	Finished Product Specification Product Name: Lemon Balm Dry Extract Botanical Name: <i>Melissa officinalis</i>		
Document No.	SAH/QCD/F/FGS/LMB/35	Date Of Issue	03/02/2026
Effective Date	04/02/2026	Next Revision Due Date	02/02/2029
Supersedes	SAH/QCD/F/FGS/002	Version No.	03
Part Used	Leaves	Herb Ratio	2:1

S. No.	Test Parameter	Reference	Specification
1.0	Description		
1.1	Appearance	Organoleptic (SAH/SOP/QCD/OL/FG/00)	Fine powder
1.2	Odor		Characteristic
1.3	Taste		Characteristic
1.4	Colour	Visual	Light brown to brown colour
2.0	Analytical Data		
2.1	Identification (By HPLC)	SAH/MOA/QCD/HPLC/RA/53	Presence of Rosmarinic Acid - Positive
2.2	Loss on drying (at 105 °C)	IP 2014 (SAH/STP/QCD/LOD/01)	NMT 5.0%
2.3	Total Ash	IP 2014 (SAH/STP/QCD/ASH/05)	NMT 18.0%
2.4	Bulk density (gm/ml)	IP 2014 (SAH/STP/QCD/BDTD/06)	NLT 0.25 gm/ml
2.5	Tapped density (gm/ml)	IP 2014 (SAH/STP/QCD/BDTD/06)	NLT 0.30 gm/ml
2.6	Particle size	Dry Sieve analysis (SAH/STP/QCD/PS/07)	NLT 95.0% Passing through 40mesh
2.7	pH (1% w/v solution)	IH (SAH/STP/QCD/PH/02)	4.0 to 7.0
3.0	% Assay (On dried basis)		
3.1	Rosmarinic Acid (By HPLC)	SAH/MOA/QCD/HPLC/RA/53	NLT 1.0%
4.0	Heavy Metals		
4.1	Lead	ICP-MS (By NABL approved external laboratory)	NMT 2.0 ppm
4.2	Arsenic		NMT 1.1 ppm
4.3	Cadmium		NMT 0.3 ppm
4.4	Mercury		NMT 0.1 ppm
5.0	Microbiological Enumeration		

	Prepared by	Checked by	Approved by
Name	Ms. Varsha Ukande	Mr. Ram Prajapati	Mr. Vijay Baghel
Designation	QC Executive	Sr. QC Executive	QA Head
Signature			

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5.1	Total aerobic microbial Count	SAH/SOP/QCD/MIC/MLTTPC/11 (USP)	NMT 1000 cfu/gm
5.2	Total yeasts & molds count	SAH/SOP/QCD/MIC/MLTYMC/17 (USP)	NMT 100 cfu/gm
5.3	Pathogens		
5.3.1	Escherichia coli	SAH/SOP/QCD/MIC/MLTE/13 (USP)	Absent/gm
5.3.2	Salmonella	SAH/SOP/QCD/MIC/MLTS/16 (USP)	Absent/10gm

Storage Condition	Store in a cool and dry place away from direct sunlight, heat & moisture.
Shelf life	Three years in original packed conditions from the date of manufacturing.
Packaging	25 Kg Suitable for foodstuff packed in double poly bags unless otherwise required by the customer.
Declaration	Product is neither derived from GMO nor any kind of GMO ingredients used in the manufacturing process.
	The product is not subjected to radiation and doesn't consist of, or contain allergen products.
	The product is fit for human consumption.

Revision History:

Version No.	Effective Date	Reason for Revision
03	04/02/2026	New format adopted.

END OF DOCUMENT

	Prepared by	Checked by	Approved by
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