

Issued To:

Sambhar Salts Limited
(A Govt. of India Enterprises)
G-229, Block C, Sitapura Industrial Area,
Sitapura, Near Genpact,
Jaipur-302022
Rajasthan,IND
Ph: Mob:7069004104

Registration/Report Number: VLL/VLS/22/05883/002

Issue Date: 2022-09-15

Your Ref: Letter

and Date: 2022-07-05

LIMS Report No.: 382726-A



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Kind Attn:Mr. Alok kumar Srivastava

Customer Provided Details :	
Sample Name:	KSHAAR BLACK SALT
Manufacturer:	NA
Batch/Lot Number:	NA
Mfg. Date:	NA
Exp. Date:	NA
Source:	NA
Test Required:	Analysis as per attached Quotation
Other Details if Any:	NA
Lab Provided Details :	
Quantity Received:	~50gm X 1No
Sample Received Date:	2022-07-16
Sample Registration Date:	2022-07-18
Analysis Starting Date:	2022-07-30
Analysis Completion Date:	2022-09-06
Sampling Details:	SAMPLE TESTED AS RECEIVED
Other Details if Any:	NA

Remarks: The submitted sample conforms to relevant provisions in Food Safety and Standards(Food Product standards and Food Additives) regulation 2011, With respect to the tested parameters.



Name and Designation of Authorized Signatory



Anjali Kurian

Team Leader - Nutrition & Water

Note : This report is subject to the terms and conditions mentioned at the end of the report.

Vimta Labs Ltd., Life Sciences Campus, Plot No. 5, MN Park (Formerly Alexandria Knowledge Park),
Genome Valley, Shamirpet, Medchal - Malkajgiri - 500 101, Hyderabad, Telangana, India. Phone : +91-40-6740 4040

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ULR-TC541822000022585F

**Chemical
Food and Agricultural Products**

TEST RESULTS

S. No.	Test Parameters	Method	UOM	Requirements	Results
1	pH of the Salt (1% Solution)	IS 253-2014	--	--	9.28
2	Natural Iodine	IS 253-2014	ppm	--	<1.0

Results relate only to the sample tested.

Remarks:



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Team Leader - Nutrition & Water

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ULR-TC541822000022585F

**Chemical
Residues in Food Products**

TEST RESULTS

S. No.	Test Parameters	Method	UOM	Requirements	Results
	Heavy metals/Metal Contaminants				
3	Lead as Pb	SOP NO 06/39	mg/kg	Max 2.0	1.26
4	Arsenic as As	SOP NO 06/39	mg/kg	Max 1.1	<0.50
5	Cadmium as Cd	SOP NO 06/39	mg/kg	Max 0.5	<0.50
6	Mercury as Hg	SOP NO 06/39	mg/kg	Max 0.1	<0.10
7	Tin as Sn	SOP NO 06/39	mg/kg	Max 250.0	<2.50
	Minerals useful in diet (including rare minerals)				
8	Copper as Cu	SOP NO 06/39	mg/kg	Max 30.0	<2.50
9	Zinc as Zn	SOP NO 06/39	mg/kg	--	12.57

Results relate only to the sample tested.

Remarks: Instrument used : ICP-MS;

Limit of Quantification for Mercury:0.10mg/kg;
Limit of Quantification for Lead,Arsenic & Cadmium:0.50mg/kg;
Limit of Quantification for Copper,Zinc & Tin: 2.50mg/kg.



Name and Designation of Authorized Signatory



**Narasimha Rao Danduprolu
Deputy Manager**

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TEST RESULTS

S. No.	Test Parameters	Method	UOM	Requirements	Results
10	Vitamins Cyanocobalamin (Vitamin B12)	ELISA	mcg/100g	--	Below LOQ Level
11	Folic Acid (Vitamin B9)	ELISA	mcg/100g	--	3.78

Results relate only to the sample tested.

Remarks: The LOQ of Vitamin B9 assay is 0.075 mcg/100g.
The LOQ of Vitamin B12 assay is 0.050 mcg/100g.



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G. Nirosha
Nirosha Guvvala
Group Leader

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TEST RESULTS

S. No.	Test Parameters	Method	UOM	Requirements	Results
12	Purity of Salt	IS 253-2014	%	Min 96.0	99.06
	Minerals useful in diet (including rare minerals)				
13	Sodium as Na	SOP NO 06/39	g/100g	--	60.34
14	Potassium as K	SOP NO 06/39	mg/100g	--	248.58
15	Calcium as Ca	SOP NO 06/39	mg/100g	--	16.90
16	Magnesium as Mg	SOP NO 06/39	mg/100g	--	<5.0
	Vitamins				
17	Vitamin C	VLS-NT/MVP/2021/0006/1.0	mg/100g	--	<1.0
18	Thiamine (Vitamin B1)	SOPNO:06/38	mg/100g	--	<0.5
19	Riboflavin (Vitamin B2)	SOPNO:06/38	mg/100g	--	<0.5
20	Niacin (Vitamin B3)	SOPNO:06/38	mg/100g	--	<0.5
21	Pyridoxin (Vitamin B6)	SOPNO:06/38	mg/100g	--	<0.5

Results relate only to the sample tested.

Remarks: Instrument used : ICP-OES;HPLC

Limit of Quantification for Calcium,Magnesium & Potassium : 5.0 mg/100g;
Limit of Quantification for B-Complex: 0.5 g/100g
Limit of Quantification for Vitamin C: 10.0 mg/kg
Limit of Quantification for Sodium 0.005 g/100g.



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Anjali Kurian

Team Leader - Nutrition & Water

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TEST RESULTS

S. No.	Test Parameters	Method	UOM	Requirements	Results
	Minerals useful in diet (including rare minerals)				
22	Chromium as Cr	SOP NO 06/39	mg/kg	--	<2.50
23	Iron as Fe	SOP NO 06/39	mg/kg	--	497.55
24	Selenium as Se	SOP NO 06/39	mg/kg	--	<0.50
25	Molybdenum as Mo	SOP NO 06/39	mg/kg	--	<0.50
26	Vanadium as V	SOP NO 06/39	mg/kg	--	1.13
27	Cobalt as Co	SOP NO 06/39	mg/kg	--	<0.50
28	Manganese as Mn	SOP NO 06/39	mg/kg	--	4.58
29	Lithium as Li	SOP NO 06/39	mg/kg	--	<0.5
30	Boron as B	SOP NO 06/39	mg/kg	--	<0.5
31	Beryllium as Be	SOP NO 06/39	mg/kg	--	<0.5

Results relate only to the sample tested.

Remarks: Instrument used : ICP-MS;

Limit of Quantification for Selenium,Molybdenum,Cobalt,Vanadium,Beryllium & Lithium :0.5mg/kg;

Limit of Quantification for Chromium,Iron,Manganese,Boron & Tin: 2.5mg/kg.

- END OF THE REPORT -



Name and Designation of Authorized Signatory

(Signature)

Narasimha Rao Danduprolu
Deputy Manager

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