

AKÖMA™

FROM THE HEART

CERTIFICATE OF ANALYSIS DEAD SEA SALT

DESCRIPTION

Product: Dead Sea Salt
Description: Bath Salt Fine Grade

CHARACTERISTICS

MgCl ₂	%	:	33.68
KCl	%	:	24.04
NaCl	%	:	3.69
CaCl ₂	%	:	0.17
H ₂ O	%	:	38.41
SO ₄	%	:	0.01
Br	PPM	:	3779.0

Impurity Profile

DSW Analytical Laboratory Tests	Typical Analysis	Analytical Method
Appearance	White Granules	
%KCl	25.18%	Atomic Absorption
%NaCl	4.17%	Atomic Absorption
%CaCl ₂	0.17%	E.D.T.A titration
%MgCl ₂	33.25%	E.D.T.A titration
%H ₂ O	37.21%	Calculated
n H ₂ O	5.93	Calculated
Insoluble Matter in Water	0.01%	Gravimetric
Impurity Profile	Representative Analysis	Analytical Method
Sulfate (SO ₄ ²⁻)	0.01%	ICP-AES
Bromide (BR ⁻)	0.37%	ICP-AES
Ammonium (NH ₄ ⁺)	350ppm	Kjeldahl distillation - Nessler
Fluoride (F ⁻)	<5 ppm	IC*
Nitrite (NO ₂ ⁻)	<5 ppm	IC*
Bromate (BrO ₃ ⁻)	<5 ppm	IC*
Perchlorate (ClO ₄ ⁻)	<1ppm	IC*
Aluminum (Al)	<1ppm	ICP – MS*

Arsenic (As)	<0.1 ppm	ICP – MS*
Barium (Ba)	<0.1 ppm	ICP - AES
Boron (B)	1.3 ppm	ICP - AES
Cadmium (Cd)	<0.1 ppm	ICP – MS*
Chromium (Cr)	<0.2 ppm	ICP – MS*
Copper (Cu)	<0.1 ppm	ICP – MS*
Cobalt (Co)	0.1 ppm	ICP - AES
Iron (Fe)	1.5 ppm	ICP - AES
Lithium (Li)	<0.1 ppm	ICP - AES
Lead (Pb)	<0.1 ppm	ICP – MS*
Manganese (Mn)	<0.1 ppm	ICP - AES
Mercury (Hg)	<0.1 ppm	VGA – Hg*
Nickel (Ni)	<0.1 ppm	ICP - AES
Phosphorus (P)	<1 ppm	ICP –AES
Selenium (Se)	<5 ppm	ICP –AES
Strontium (Sr)	4.0 ppm	ICP –AES
Zinc (Zn)	<0.1 ppm	ICP –AES
Vanadium (V)	<0.1 ppm	ICP –AES

*analysed at TAMI Labs.; SAP-813/200/703

Typical Accumulated Sieve Analysis								
+100	+65	+48	+35	+28	+20	+14	+10	Tyler Mesh
0.150	0.212	0.300	0.425	0.600	0.850	1.18	1.70	mm
99.9	99.9	99.3	98.1	92.6	72.8	37.7	0.2	%