

EST. 2014



DRY AGER

SUPERIOR BEEF



SHEET DX0050 I DX0055

Salt Block - Salt Blocks - 98% sodium chloride

Elemental composition of a salt as measured by X-ray fluorescence analysis (RFA) Samples:

Number:	1
type:	white natural salt
Designation:	# 1_Salz
Amount:	approximately 60 g
Sample receipt:	on 2/21/02

Task: It should be specified with RFA an overview of the element or oxide components of the salt.

Measurement conditions: Method:	X fluorescence analysis (RFA)
Device:	Philips
Power:	2400 W
exciting wavelength:	0.615 Å, Rh- k_{α}
Tension:	60kV
analyzer:	LiF 220
Detector:	Ge 111 PE PX1
Elements:	z = 9 to 92 z = (fluorine to uranium)
calibration:	by CaO and model element
Detection limits:	100ppm bzw- 0.01wt%
Preparation:	fine grinding
Evaluation:	according to the elements and oxides gänigsten



DRY AGER

SUPERIOR BEEF

Results:

The following table following statements can be taken:

- The salt mainly consists of sodium chloride.
- In the 0.1% range are in the salt compounds of magnesium, aluminum, calcium, sulfur, vanadium and potassium.
- With the XRF method happen to be still detectable, the elements iron, Si, niobium, nickel and bromine.
- All other elements are below the detection limit of 0.01 wt%. To better understand the element symbols a copy of the periodic table is attached.

Element / oxide concentration [% wt] # 1_Salz	
F	<00:01
N / A	35
MgO	12:19
Al ₂ O ₃	12:07
SiO ₂	12:03
P ₂ O ₅	<00:01
SO ₃	12:31
Cl	63
Ar	<00:01
K	12:14
CaO	12:34
TiO ₂	<00:01
V ₂ O ₅	12:21
Cr ₂ O ₃	<00:01
MnO	<00:01
Fe ₂ O ₃	12:03
Co ₃ O ₄	<00:01
NiO	12:02
CuO	<00:01
ZnO	<00:01
Ga ₂ O ₃	<00:01
GeO ₂	<00:01
As ₂ O ₃	<00:01
SeO ₂	<00:01
br	12:02
Rb ₂ O	<00:01
SrO	<00:01
Y ₂ O ₃	<00:01
ZrO ₂	<00:01
Nb ₂ O ₃	12:02
MoO ₃	<00:01

Element / oxide concentration [% wt] # 1_Salz	
Rh ₂ O ₃	<00:01
PdO	<00:01
Ag ₂ O	<00:01
CdO	<00:01
In ₂ O ₃	<00:01
SnO ₂	<00:01
Sb ₂ O ₃	<00:01
TeO ₂	<00:01
J	<00:01
Cs ₂ O	<00:01
BaO	<00:01
La ₂ O ₃	<00:01
Ce ₂ O ₃	<00:01
Pr ₂ O ₃	<00:01
Nd ₂ O ₃	<00:01
Sm ₂ O ₃	<00:01
Gd ₂ O ₃	<00:01
Tb ₂ O ₃	<00:01
HfO ₂	<00:01
Ta ₂ O ₅	<00:01
WO ₃	<00:01
Ir	<00:01
Pt	<00:01
Au	<00:01
HgO	<00:01
Ti ₂ O ₃	<00:01
PbO	<00:01
Bi ₂ O ₃	<00:01
ThO ₂	<00:01
U ₃ O ₈	<00:01