



CERTIFICATE OF ANALYSIS

DATE 04.08.2021
PRODUCT SODA ASH DENSE
PURCHASE ORDER NO 1317
INVOICE NO 1111124469
QUANTITY 500 TON

We hereby certify that goods confirm the following specifications:

Expiry Date: August 2023
Batch No: 08/2021

Production Date: August 2021

ANALYSIS	UNIT	SPECIFICATIONS		ACTUAL RESULTS
		MIN	MAX	
Sodium Carbonate (Na ₂ CO ₃)	%	99,30	-	99,60
Chloride (Cl)	%	-	0,12	0,07
Iron (Fe)	ppm(V)	-	15,00	6,00
Sulphate (SO ₄)	ppm(V)	-	270,00	100,00
Loss in weight at 270 C	%	-	0,50	0,18
Density	g/cm ³	1,00	1,16	1,07
+ 1,180 mm	%	-	1,00	0,40
+ 0,150 mm	%	90,00	-	97,50
- 0,150 mm	%	-	10,00	2,10
L (Whiteness)		-	-	97,48
a (Redness)		-	-	0,32
b (Yellowness)		-	-	0,79
Sodium Chloride (NaCl)	%	-	0,20	0,11
Ferro Oxide (Fe ₂ O ₃)	ppm(V)	-	21,50	9,00
Sodium Sulphate (Na ₂ SO ₄)	ppm(V)	-	400,00	148,00

NOTES:

Türkiye Şişe ve Cam Fabrikaları A.Ş.