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NO: CD02019000000948
 DATE: 26.04.2019
 PROJECT NO: GB-2019-135

CERTIFICATE OF ANALYSIS

Product Name: SODIUM BICARBONATE (FOOD GRADE)
 Lot no: E19 (112) 25 SBC-G
 Production date: 22.04.2019
 Expiry date: 22.04.2021
 Producer: ETI SODA A.S.

Chemical Specifications

Parameter	Unit	Specification	Analytical Result	Analytical Method
NaHCO ₃	%	99.3 min	99.76	TS 1282
Na ₂ CO ₃	%	0.5 max	0.12	Method Validation
Cl ⁻	mg/kg	250 max	134	TS 3050
SO ₄ ⁻²	mg/kg	300 max	44	TS 3050
Water Insoluble	mg/kg	500 max	55	TS 10380

Physical Properties

Parameter	Unit	Specification	Analytical Result	Analytical Method
Particle Size				
+75 micron	%	20-90	72.1	Method Validation
+45 micron		60-100	93.4	
Ph			8.0-8.6 (1% solution)	Method Validation
As	ppm		<0.1	ICP
Pb	ppm		<0.1	ICP
Hg	ppm		<0.1	ICP
Fe ⁺³	mg/kg		<0.005	ICP
Humidity	%		0.04	Method Validation
Bulk Density	g/cm ³		1.024	ISO 697
NaCl	mg/kg		221	TS 3050
Test for Sodium			Passes test	Method Validation
Test for Carbonate			Passes test	Method Validation
Ammonium salts			No odour of ammonia detectable after heating	Method Validation
Loss drying	%		Not more than 0.25% (over silica gel, 4 hours)	Method Validation

