



Water Footprint Verification

Verification Opinion Statement

This is to verify that:

Kazan Soda Elektrik Uretim A.S

Mulk Kume Evleri 1. Cadde No:122 Yenikent

Sincan / Ankara, 06946, Turkey

Coordinates: Latitude: 40,108 – Longitude: 32,505

Holds Statement No: **WfV 717437**

WATER FOOTPRINT DETAILS

Reporting Year(s): 01/01/2020-31/12/2020
Date of Water Footprint Report: 26th October 2021

FACILITY VERIFICATION DETAILS

Proportion of facilities inspected during the verification? 100%

OPINION - verified: BSI Group Eurasia Certification Services Inc has conducted a verification of the direct water footprint reported by *Kazan Soda Elektrik Uretim A.S.* in its Water Footprint Report dated 26th October 2021 and presented above. On the basis of the verification work undertaken (see Annex 1) these data are fairly stated.

OPINION - verified with comments: As a result of carrying out the verification of direct water footprint inventory, it is the opinion of BSI that

- The direct water footprint inventory was conducted in accordance with the requirements of ISO 14046:2014 Environmental Management – Water Footprint – Principles, Requirements and Guidelines.
- No material misstatements in this direct water footprint inventory.
- Data collection period: 01.01.2020- 31.12.2020

Data quality was considered acceptable in meeting the principles as set out in ISO ISO 14046:2014.

Lead Verifier : Mehmet Kumru
Technical Reviewer : Furkan Sadıkoğlu
Signed on behalf of BSI Group Eurasia Certification Services Inc : Yonca Çakır
Date of Opinion : 09.12.2021



ANNEX 1 - BASIS OF THE OPINION

VERIFICATION SCOPE

Kazan Soda Elektrik Uretim A.S
Mulk Kume Evleri 1. Cadde No:122 Yenikent
Sincan / Ankara, 06946, Turkey
Latitude: 40,108 – Longitude: 32,505

Reporting Water Footprint Results;

Water resource	Resource	Unit	Total
Dam Water	Fresh water	m ³ /year	1.681.840
Kirmir River	Fresh water	m ³ /year	4.316.757
TOTAL FRESH WATER			5.998.597

Water consumption

Area of consumption	Water consumption	Unit
Evaporating Water	4.302.254	m ³ /year
Mine Injection	1.171.275	m ³ /year
Discharged	76.650	m ³ /year
Purge	518.592	m ³ /year

Pollutant Load;

Parameter	Pollutant flowrate	Unit
Chemical Oxygen Demand (COD)	4.139,10	kg/year
Biological Oxygen Demand (BOD)	1.016,38	kg/year
Suspended Solids (SS)	5.112,56	kg/year