



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): 01/01/2021-31/12/2021
Date of Water Footprint Report: 17th June 2022

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 17th June 2022 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: 01.01.2021- 31.12.2021

Data quality was considered acceptable in meeting the principles as set out in 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 :

29.06.2022



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	2.634.100
Kirmir River	Fresh water	m ³ /year	3.540.210
Well Water	Fresh water	m ³ /year	38.581
TOTAL FRESH WATER			6.212.891

Water consumption

Area of consumption	Water consumption	Unit
Evaporating Water	3.980.471	m ³ /year
Mine Injection	1.238.826	m ³ /year
Discharged	75.435	m ³ /year
Purge	1.038.508	m ³ /year

Pollutant Load;

Parameter	Pollutant flowrate	Unit
Chemical Oxygen Demand (COD)	4.126,53	kg/year
Biological Oxygen Demand (BOD)	821,37	kg/year
Suspended Solids (SS)	1.365,83	kg/year