



## VERIFICATION OPINION

**RINA SERVICES S.p.A.**, on the basis of the third party verification conducted, declares that

**the Water Footprint Study: Çimsa Çimento ve San. Tic. A.Ş.; Direct Water Footprint Inventory Report**  
**rev. 01 of 08/05/2022**

**For the reference period 01/01/2022 – 31/12/2022**

related to the following product/service:

**"The Direct Water Footprint Inventory Analysis (gate-to-gate)"**

Prepared by the organization

**Çimsa Çimento ve San. Tic. A.Ş**  
Allianz Tower Ataşehir / İstanbul  
Productive site

- 1- İstanbul General Directorate
- 2- Mersin Clinker and Cement Factory
- 3-Eskişehir Clinker and Cement Factory
- 4-Kayseri Clinker and Cement Factory
- 5- Niğde Clinker and Cement Factory
- 6- Afyon Clinker and Cement Factory
- 7- Bunol (España) Clinker and Cement Factory
- 8- Ankara Cement Grinding and packaging Facility
- 9- Ready Mixed Concrete Facility (30 locations)

complies with the requirements of the following reference document

**ISO 14046:2014 - "Environmental management - Water footprint - Principles, requirements and guidelines"**

Attached are the results of the Study. The verification was carried out in accordance with ISO 17029 and ISO 14065

Date of issue: 13/07/2023

RINA Services S.p.A.  
Eda YURDAKUL  
Turkey Certification Head



## Annex

RINA Services S.p.A. (RINA), commissioned by: Çimsa Çimento ve San. Tic. A.Ş., performed the Water Footprint verification of "Organization", with reference to the requirements of the Standard ISO 14046:2014.

Having regard to the above, based on the evidence provided and the site visit conducted, RINA states that there is no evidence that the organization's WFP Study Statement, for the reporting period from 01/01/2022 to 31/12/2022:

- is not essentially correct or a fair representation of the WFP data and information;
- has not been prepared according to the pertinent international standards on quantification, monitoring and reporting or according to pertinent national standards or practice.

RINA also declares that the inventory has been developed according to ISO 14046 - "Environmental management - Water footprint - Principles, requirements and guidelines".

Given the above and on the basis of the verification report (date 30/05/2023), it is concluded that the data presented in the Water Footprint Study are:

Consumed Water Footprint (m <sup>3</sup> )					
Site	Municipal Water	Well Water	Recycled Water	Rain Water	Total
Istanbul General Directorate	3,386	0		0	3,386
Mersin Clinker and Cement Fac.	2,649	1,137,447		0	1,140,096
Eskişehir Clinker and Cement Fac.	0	1,577,813		0	1,577,813
Kayseri Clinker and Cement Fac.	0	61,455		0	61,455
Niğde Clinker and Cement Fac.	0	52,734		0	52,734
Afyon Clinker and Cement Fac.	0	122,761		0	122,761
Bunol (Espana) Clinker and Cement Fac.	0	245,593		0	245,593
Ankara cement grinding and packaging Fac.	878	0		0	878
Ready mixed concrete Facility (30 locations)	28,653	159,802	80,294	0	268,749
<b>TOTAL</b>					<b>3,473,465</b>



Mersin Clinker and Cement Fac.

Polluted Water Footprint (m <sup>3</sup> )		
Chemical Oxygen Demand (COD)	Biological Oxygen Demand (BOD)	Suspended Solid (SS)
3,544	5,111	1,949

Bunol (Espana) Clinker and Cement Fac.

Polluted Water Footprint (m <sup>3</sup> )		
Chemical Oxygen Demand (COD)	Biological Oxygen Demand (BOD)	Suspended Solid (SS)
89	39	39

The values of WFP per functional unit are given in the table below: Not applicable for the project.

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