

# CERTIFICATE of ANALYSIS



This Certificate of Analysis is based to the Contract of Sale No & Date :  
AKF2024-117\_14.02.2024

TRUCK

BC 7825 OK (Truck) BC 8382 XF (Semi Trailer)

Name of Product

: Magnesium Sulphate Heptahydrate

Grade

: DRY FLOW QUALITY

## Product Information:

Chemical Formula

:  $\text{MgSO}_4 \cdot 7\text{H}_2\text{O}$

HS Code

: 28.33.21.00

EC Number

: 231-298-2

CAS Number

: 10034-99-8

## Chemical Data:

Solubility

: 710g/l (20°C)

Molar Mass

: 246,48 g/

Density

: 1,68 g/cm<sup>3</sup> (20°C)

pH Value

: 5 ~ 7 (50g/l H<sub>2</sub>O, 25°C)

## Specification:

MgO

: ≥ 16 %

S

: ≥ 13%

SO<sub>3</sub>

: ≥ 32%

Chloride (Cl)

: ≤ 140 ppm (mg/kg)

## Heavy Metals

Lead (as Pb)

: <10ppm (mg/kg)

As

: Trace

## Physical Data

Loss on drying(ignition) (450 °C)

: 48 - 52 %

Assay (by complexometric  
calculated on dried substance)  
min.

: ≥99 %

Moisture (@ 25 °C)

DRY

: Less then < 1%

Appearance (10% in water)

: Colourless, clear crystals

Odour

: Odourless

Taste

: Typical substance properties

Insolubility

: Fully Soluble in water. No Residue left

Packing

: Bags: 25 ±0,2kg PP laminated bags.

## Special characteristics:

*Depending on ambient temperature and prevailing relative humidity the product is prone to absorption of water and dehydration, which can result in caking. Store at a cool and dry place. Excessive storage pressure and large temperature fluctuations can result in caking, which can be broken up by pounding of the bags.*

LOT NUMBER

AKFECF20240430V1

MANUFACTURING DATE

29.04.2024

EXPIRATION DATE

29.04.2027

