



CEMKUT
Szakértelem biztos alapokon

CÍM: 1034 Budapest, Bécsi út 122-124. • LEVÉLCÍM: 1300 Budapest, Pf.:230
TEL.: +36 1 388 3793 • E-MAIL: cemkut@cemkut.hu
INTERNET: www.cemkut.hu

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Customer: PrAT Ivano-Frankivskcement, 77422 Ukrajna c. Jamnyica
Name of sample (producer, type): **CEM I 42,5 R**
Place, method of sampling: silo 15, NR
Date of sampling: 28.05.2023
Sampling was done by: Irina Mikolaevna Geviuk
Date of arriving to the laboratory: 26.06.2023
Date of test: 31.07.2023
Test was done by: Demókné Fodor Ágnes, Motika András, Nácsa Gábor, Ritter Róbert
Number of the Sampling Report: 74

Examination Report

Testing of Cement Sample

Physical and Mechanical Determinations

(EN 196-1:2016, EN 196-3:2017)

| Property | | Results | |
|--------------------------------|-----|----------|--------|
| Setting time | | | |
| Initial setting time | min | 150 | |
| Soundness | | | |
| Expansion of Le Chatelier ring | mm | 1 | |
| Strength | | Flexural | Compr. |
| 2 days | MPa | 6,3 | 34,2 |
| 7 days | MPa | - | - |
| 28 days | MPa | 8,8 | 53,0 |

Chemical Determination

(EN 196-2:2013)

| Property | Results m/m % |
|---------------------------------------|------------------|
| Loss on ignition | 3,06 |
| Sulfate content (as SO ₃) | 2,53 |
| Insoluble residue | 3,08 |
| Chloride content | 0,013 |

Clause: The test results apply to the sample only.
Without the permission of laboratory the Examination Report can be copied only in its entirety.

Budapest, 10 August 2023

CEMKUT Kft
1034 Budapest, Bécsi út 122-124.
Adószám: 10504774-2-41
Főv. Irányító Cégbeosztás
Cég.sz.: CG-01-09-269743
3.

Jurcsik Ildiko

Ildiko Kek Juracsik
Head of Laboratory