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AN EMPLOYEE OWNED COMPANY

Consulting Engineers – Testing – Inspection Services – Analytical Laboratories

Established 1927

Report on Sample of Insulation

CTL Project No: 22310129COL August 25, 2022

R and D Services, Inc.
209 Tennessee Boulevard
Watertown, TN 37184 – Attn: Stuart Ruis

Product Name: KIMMCO Glass Wool Insulation – FSK Faced

Produced by: Kuwait Insulating Materials Manufacturing Co.
Mina Abdullah, Shuaiba Industrial Area
Area 1, Block 3, Plot 42, Wafra Road
65451 Kuwait. P.O.Box: 10042 Shuaiba

RDS Project Number: 2043220714-006

Test Method: ASTM C 871-18, "Standard Test Method for Chemical Analysis of Thermal Insulation Materials for leachable chloride, fluoride, silicate and sodium ions," Chloride was determined by titration, fluoride was determined by ion electrode, silicate and sodium were determined by flame atomic absorption spectroscopy.

Test Results: The test results for the sample as received are shown in the table below.

Parameter	A	B
Chloride (Cl^-), µg/g	73.4	72.2
Fluoride (F^-), µg/g	2.24	2.20
Silicate (SiO_3^{-2}), µg/g	627	859
Sodium (Na^+), µg/g	2,674	2,875
pH, S.U.	9.39	9.44

The sample meets the chemical requirements in ASTM C795-08 (2018) using the simple acceptance criteria.

Respectfully submitted,

Johnny Tjioe

JT

Johnny Tjioe, Chemist