

1 June 2017

**Committee C11 on Gypsum and Related Building Materials and
Systems
Subcommittee C11.01 on Specifications and Test Methods for Gypsum
Products**

Research Report: C11-1003

**Interlaboratory Study to Establish Precision Statements for ASTM
C0471M-17, Chemical Analysis of Gypsum and Gypsum Products
(Metric)**

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1. Introduction:

Interlaboratory Study 1297 was conducted to establish a precision statement for C0471, Chemical Analysis of Gypsum and Gypsum Products (Metric).

2. Test Method:

The Test Method used for this ILS is C471M-17. To obtain a copy of C0471, go to ASTM's website, www.astm.org, or contact ASTM Customer Service by phone at **610-832-9585** (8:30 a.m. - 4:30 p.m. Eastern U.S. Standard Time, Monday through Friday) or by email at service@astm.org.

3. Participating Laboratories:

The following laboratories participated in this interlaboratory study:

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4. **Description of Samples:**

There were 2 samples of varying targeted results used for this study. Each sample was supplied, prepared and distributed by Mark Flumiani of Innogyps. Below is a list of the samples:

1. flue gas desulphogypsum (FGD)
2. natural gypsum

5. **Interlaboratory Study Instructions**

Laboratory participants were emailed the test program instructions. For a copy of the instructions, please see Annex A.

6. **Description of Equipment/Apparatus¹:**

For information on the equipment/apparatus used by each laboratory, please see Annex B.

7. **Data Report Forms:**

Each laboratory was provided with a data report form for the collection of data. A copy of the data is provided in Annex C.

Please note: The laboratories have been randomly coded and cannot be identified herein.

¹ The equipment listed was used to develop a precision statement for C471M-17. This listing is not an endorsement or certification by ASTM International.
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