FLUXANA®

XRF Application Solutions

Reference Materials

FLUXearch®
■ the fastest database for reference materials

Proficiency Tests
■ based on DIN EN ISO/IEC 17043

FLUXANA Reference Materials
■ produced especially for XRF

FLUXearch®

FLUXearch® is a comprehensive database with over 21,000 reference materials for XRF and OES. It is updated and extended daily to provide you with reliable information and current products.

Operation is quick and easy:

Step 1: LOGIN

Visit **www.fluxearch.com** and register free-of-charge with the **"Register here"** button. You can use the database immediately after successful registration with your Email address and password.

Step 2: SEARCH

The FLUXearch® search mask offers many possibilities for searching for reference materials. The following points can be found from the **"Search by Composition"** menu item:

Category: classification into the categories aluminum, chips, solids and additional.

Base: filtered according to the base material, e.g., ores, cements, slags and many more.

Content: filtered according to the content of the materials, e.g., iron ores, aluminum ores, lithium ores, etc.

Search by element: Select the desired elements and concentrations in percent or ppm; the database shows a list of the available reference materials.

As an alternative, it is possible to use the **"Search by Reference Material"** menu item to directly search for a given product. Here, it is also possible to search for a product number, the manufacturer code or by using a full text search.

FLUXearch®
www.fluxearch.com

SEARCH BY COMPOSITION: SEARCH BY REFERENCE

Category: -- All --

Base: Cement, raw meal, clinker

Element: Min: Ma

CaO   60,0   6

⊕ ADD FILTER   ↻ RESET

Results: 17

Part #	Base	Content	Manufacturer	Manufacturer's code	
FI009001	Cement, raw meal, clinker	FLUXANA CEM Calibration	FX	FLX-CEM 14	ZnO: 0, 0,95%, 0,137%, MgO: 2 62,01%,
FI007846	Cement, raw meal, clinker	Cements	NCS	DC62101c	SO3: 3, MgO: 2 CaO: 62
FI008383	Cement, raw meal, clinker	Cements	NCS	DC62128-8	TiO2: 0 K2O: 0, Fe2O3:
FI007335	Cement, raw meal, clinker	Cements	NIST	114q	SO3: (2 Fe2O3:
FI001688	Cement, raw meal, clinker	Cements	NCS	DC62118	Na2O: Al2O3: MgO: 4

www.flux

The Fastest Database for Reference Materials

Screenshot Content

Search   Support   Logout   🛒³   **Hello,** Demo User

MATERIAL:

Content: | -- All -- |

Exclude sold out: ☑

x: | 4,0 ⬍ | Unit: | Percentage | Remove: ❌

SEARCH

<< < 1 > >>

Composition	Dimension	Status	Order
028%, **Na2O:** 0,21%, **Mn2O3:** 0,12%, **K2O:** ... **Fe2O3:** 1,75%, **Al2O3:** 5,88%, **TiO2:** 0,37%, **SrO:** ... **SO3:** (3,32)%, **SiO2:** 23,06%, **P2O5:** 0,07%, ...,12%, **LOI:** (4,86)%, **Cr2O3:** 0,005%, **CaO:**	10g	part of a set	🛒
16%, **SiO2:** 20,41%, **Na2O:** 0,12%, **TiO2:** 0,27%, ...,66%, **LOI:** 2,18%, **K2O:** 0,71%, **Fe2O3:** 3,2%, ...,23%, **Al2O3:** 4,68%,	20g	available	🛒
36%, **SO3:** 2,37%, **SiO2:** 22,27%, **MgO:** 2,47%, ...,75%, **CaO:** 60,63%, **Na2O:** 0,19%, **LOI:** 2,8%, ...,74%, **Al2O3:** 5,32%,	20g	part of a set	🛒
...4)%, **LOI:** (1,67)%, **CaO:** (64,0)%, **SiO2:** (20,7)%, ...(3,2)%, **Al2O3:** (4,7)%,	20 vials of 5g	price request	🛒
0,12%, **K2O:** 0,43%, **Fe2O3:** 4,12%, **CaO:** 60,99%, ...4,75%, **TiO2:** 0,23%, **SO3:** 2,27%, **SiO2:** 21,73%, ...,37%, **LOI:** 0,81%,	20g	available	🛒

Step 3: CHOOSE

Click on the shopping cart icon next to the desired product and it is added to your shopping cart.

You can now continue to search and add other products to the shopping cart or complete the search and view the items in your shopping cart.

Step 4: REQUEST

In your shopping cart, which can be found in the upper right corner of the overview page, it is possible to view the products that have been added. If necessary, change the **"Quantity"** of an item or remove it from the shopping cart by clicking on the red cross under **"Remove."**

An offer can be requested from us by clicking on **"Request for Quote."** In some cases, you will be asked to enter further contact data that we require to fulfill the request.

After this, you will receive a confirmation of your order. The FLUXANA® team will then reply with an offer as soon as possible.

Do you need support?

Our experienced team is pleased to help in your search for reference materials and to competently answer your questions. Please let us know if you have any problems with the search or with the data in FLUXearch®.

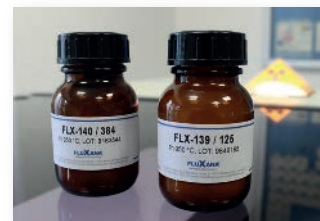Contact us by clicking on **"Support"** on the overview page.

xearch.com

FLUXANA® Reference Materials

FLUXANA® is a producer of exclusive reference materials. These reference materials are produced especially for the use of XRF and are highest quality standards.

Our catalog contains the following reference materials:

- Cements
- Refractories
- Zeolite
- Limestone
- Plastic ROHS
- Plastic PE
- Gold jewelery alloy for micro XRF instruments
- Gold jewelery alloy for handheld XRF instruments
- Glass

But also **XRF calibration sets** (e.g. cement, raw materials, ash, glass and many more) as well as XRF drift monitors, control samples and LOC samples.

Find a list of all available FLUXANA® reference materials on our homepage or download our digital catalog via the following link:

www.fluxana.com/downloads/catalogs

Proficiency Tests for XRF

FLUXANA® is an international provider of proficiency testing. We regularly offer proficiency testing for X-ray fluorescence analysis based on DIN EN ISO/IEC 17043.

By participating in the proficiency testing, customers compare their analytical methods and test procedures with other international laboratories. We offer different proficiency tests for typical X-ray fluorescence analysis (XRF). In keeping with state-of-the-art technology, we apply „robust statistics" for our evaluation method.

Advantages for XRF users:

- Testing and improvement of XRF analyses
- Inter-laboratory comparisons
- Certificates for customers and accreditors
- Training and development for employees
- Presented results are treated anonymously
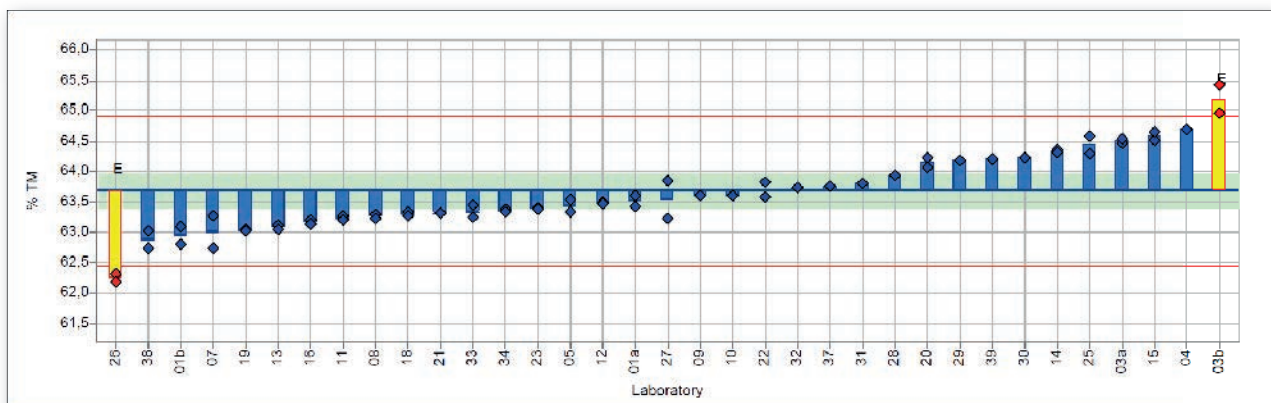- Participation certificate with assessment as required

You conduct your own proficiency testing?

Then let us conduct a **professional evaluation** with "robust statistics" in compliance with **DIN 38402-45** and **ISO/TS 20612**.

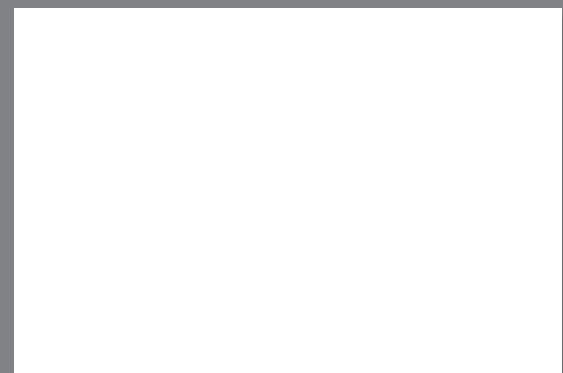For more information visit our homepage here:

www.fluxana.com/services/proficiency-testing

Official agent