

FLUXearch User Information

FLUXearch

The world's most comprehensive
database for reference materials!

The web search engine **FLUXearch** helps you to find commercial available certified reference materials (**CRM**) for **optical emission spectroscopy (OES)** and **x-ray fluorescence analysis (XRF)**.

Currently, the database contains ca. 9400 metals and metal alloys and ca. 3000 non metal materials like minerals, plastics, ROHS, slags, cements, glasses, refractories, ceramics, CHNS, driftmonitors, etc.

There are two ways to search:

1. Search by element concentration
2. Search by code or name of CRM

When you find your requested material you can save it into a cart and continue your search.

3. At the end you can submit the cart to FLUXANA to ask for a quotation which will be sent to you as soon as possible, normally the same or next working day.

Registration: Go to www.FLUXearch.com

FLUXearch

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Please, type in your Email - Username and Password

*E-mail or Username:

*Password:

Login

[Forgot password?](#)

[Register here](#)

[Help](#)

[Support](#)

Click on Register here:

FLUXearch

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Registration

Please fill in necessary data. All fields are required. [Back to login](#)

*E-mail	*Company	*ZIP code
<input type="text"/>	<input type="text"/>	<input type="text"/>
*Password	*Department	*Country/Region
<input type="text"/>	<input type="text"/>	-- Select country -- <input type="button" value="v"/>
*Password (re-type)	*Function	*Telephone
<input type="text"/>	<input type="text"/>	<input type="text"/>
*First Name	*City	*FAX
<input type="text"/>	<input type="text"/>	<input type="text"/>
*Last Name	*Address	*Used analytical technique
<input type="text"/>	<input type="text"/>	<input type="text"/>
<input checked="" type="checkbox"/> Sign up for newsletter		*Registration code
		<input type="text"/>

FLUXANA Your supplier for XRF Application Solutions | **HD ELEKTRONIK** Fusion machines | Powered by: **KEY to METALS** The World's Most Comprehensive METALS Database

Fill in all fields.

If you don't have a **registration code** fill in ,internet'.

You will be **registered automatically** and you will get an email as confirmation.
After that you can start using **FLUXearch**.

1. Search by element concentration

The screenshot shows the FLUXsearch website interface. At the top, there is a blue header with the logo and the tagline "The world's most comprehensive database for reference materials!". Below the header, there is a navigation bar with links for "Search for Reference Materials", "Request For Quote Cart", "Change profile", "Support", and "Log out". The main search area is titled "SEARCH BY:" and has two tabs: "COMPOSITION" (which is circled in red) and "REFERENCE MATERIALS". Under "COMPOSITION", there are two sub-tabs: "METALS" and "INDUSTRIAL". To the right of these tabs, there are three dropdown menus for "Catalog:", "Base:", and "Content:", each with "-- All --" selected. Below these are two checkboxes: "Include informal values" and "Exclude sold out", both of which are unchecked. At the bottom of the search area, there are two buttons: "Search" and "Reset".

Select **Search by composition**.

Then select **METALS** or **INDUSTRIAL**

In **METALS** you can choose between three catalogs:

Alu (all aluminium based materials as discs of chips)

Chips (all metal alloys out of Al as chips)

Solid (all metal alloys out of Al as discs)

In **INDUSTRIAL** everything is in one catalog.

Additionally you can select a **base** or even more specific a **catalog chapter**.

Be aware that your choice limits the search. If you are not sure don't specify these selections and leave them as **All**.

The screenshot shows the FLUXANA search interface. At the top, it says 'The world's most comprehensive database for reference materials!'. Below this, there are navigation links: 'Search for Reference Materials', 'Request For Quote Cart', 'Change profile', 'Support', and 'Log out'. The main search area is divided into 'COMPOSITION' and 'REFERENCE MATERIALS'. Under 'COMPOSITION', there are options to select a database (METALS or INDUSTRIAL), a catalog (Solid), a base (Iron), and a content type (All). There is also an 'ADD NEW ELEMENT' button. Below these are checkboxes for 'Include informal values' and 'Exclude sold out'. At the bottom, there is a filter section for 'ELEMENT' (Co), 'MINIMUM' (0), and 'MAXIMUM' (0.001) with a unit selector (%). A 'Search' button is circled in red, and a 'Reset' button is next to it. Red text annotations provide instructions: 'Select e.g. Solid if you search for a disc', 'Select a base e.g. Iron', 'Click on ADD NEW ELEMENT, select an element, enter min and max concentration, then press Add. Add more filters if necessary', 'Choose ppm or % as unit.', and 'Here 2 filters were added, when finished, press Search.'

You have the possibility to define **concentration filters** as shown in the example. Sold out standards can be excluded by selecting **exclude sold out**. Non certified concentrations can be included into the search by selecting **include informal values**.

Finally click on **Search**.

If your search is successful a list of standard materials will appear.

To see all information for a CRM click on the **blue Part#**.

If you find an error or you have got important information about a CRM you can send a **comment** to the database manager.

The column **status** will give you additional sales information:

Available: this CRM is **available** for sales, a quote will be issued immediately

Sold out: this CRM is **not available** any more

Price request: **availability is unclear** and has to be checked first with the producer

Set: this CRM is **part of a set** and will not be sold individually. Click on the part# to get full information. Under Set you will find the part# for the set. If you ask for a quote for this CRM the full set will be quoted.

FLUXearch The world's most comprehensive database for reference materials!

Search for Reference Materials
Request For Quote Cart
Change profile
Support
Log out

SEARCH BY: COMPOSITION REFERENCE MATERIALS

Select the database you want to search from:

METALS

INDUSTRIAL

Catalog:

Base:

Content:

Element: As

Maximum: 0.001 %

Minimum: 0 %

REMOVE

Element: Co

Maximum: 0.001 %

Minimum: 0 %

REMOVE

+ ADD NEW ELEMENT

Tick the standard you need .

Then send it to cart.

Include informal values
 Exclude sold out

Search
Reset

TOTAL NUMBER OF RECORDS: 2 BACK TO SEARCH SEND TO CART

Part#	Prod	Supplier	Manufacturer's code	Content	Composition	Dimension	Status	
<input checked="" type="checkbox"/> FM004940	PR15	BS	BS 66L	Resulfurized Steel	%: Al: 0.0008; As: 0.0005; B: Max: (0.0003); C: 0.065; Ca: Max: (0.001); Co: 0.0004; Cr: 0.026; Cu: 0.007; Mn: 0.844; Mo: 0.0012; N: 0.0007; Nb: (0.0012); Ni: 0.015; P: 0.061; Pb: 0.0002; S: 0.315; Sb: 0.0004; Si: 0.002; Sn: (0.001); Ti: Max: (0.001); V: 0.0006; W: Max: (0.001);	34 - 42 mm Ø x 7 mm	available	Send comment
<input checked="" type="checkbox"/> FM004968	PR15	BS	BS 66L	Resulfurized Steel	%: Al: 0.0008; As: 0.0005; B: Max: (0.0003); C: 0.065; Ca: Max: (0.001); Co: 0.0004; Cr: 0.026; Cu: 0.007; Mn: 0.844; Mo: 0.0012; N: 0.0007; Nb: (0.0012); Ni: 0.015; P: 0.061; Pb: 0.0002; S: 0.315; Sb: 0.0004; Si: 0.002; Sn: (0.001); Ti: Max: (0.001); V: 0.0006; W: Max: (0.001);	D41x19mm	available	Send comment

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2. Search by Reference Material

You can search a FLUXANA Part# e.g. FMxxxxxx.

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Search for Reference Materials | Request For Quote Cart | Change profile | Support | Log out

SEARCH BY: COMPOSITION | **REFERENCE MATERIALS** ?

Part#

Manufacturer's code

Producer

Supplier

Text

FLUXANA Your supplier for XRF Application Solutions | HD ELEKTRONIK Fusion machines | Powered by: KEY to METALS The World's Most Comprehensive METALS Database

Or you can search all CRMs of an international known supplier code, e.g. NIST, BAS or in this example CKD.

FLUXsearch The world's most comprehensive database for reference materials!

Search for Reference Materials | Request For Quote Cart | Change profile | Support | Log out

SEARCH BY: COMPOSITION | **REFERENCE MATERIALS** ?

Part#

Manufacturer's code

Producer

Supplier

Text

FLUXANA Your supplier for XRF Application Solutions | HD ELEKTRONIK Fusion machines | Powered by: KEY to METALS The World's Most Comprehensive METALS Database

The result you see here:

FLUXsearch The world's most comprehensive database for reference materials!

Search for Reference Materials | Request For Quote Cart | Change profile | Support | Log out

SEARCH BY: **COMPOSITION** | **REFERENCE MATERIALS** ?

Part#

Manufacturer's code

Producer

Supplier

Text

TOTAL NUMBER OF RECORDS: 51 BACK TO SEARCH | SEND TO CART

	Part#	Prod	Supplier	Manufacturer's code	Content	Composition	Dimension	Status	
<input type="checkbox"/>	FM001935	PR56	CKD	227	Cast Iron (alloyed)	%: Al sol: 0.04; As: 0.01; B: 0.007; Bi: 0.0005; C: 3.2; Co: 0.03; Cr: 0.68; Cu: 0.33; Mn: 0.95; Mo: 0.6; Ni: 0.05; P: 0.66; Pb: 0.001; S: 0.037; Sb: 0.03; Si: 1.67; Sn: 0.07; Ti: 0.07; V: 0.11; W: 0.06; Zn: 0.01;	100 g	sold out	Send comment
<input type="checkbox"/>	FM001936	PR56	CKD	228	Cast Iron (alloyed)	%: Al sol: 0.01; As: 0.035; B: 0.005; Bi: 0.005; C: 1.95; Co: 0.015; Cr: 0.31; Cu: 0.56; Mn: 1.27; Mo: 1; Ni: 0.31; P: 0.3; Pb: 0.005; S: 0.145; Sb: 0.02; Si: 2.51; Sn: 0.05; Ti: 0.03; V: 0.005; W: 0.04; Zr: 0.015;	200 g	sold out	Send comment
<input type="checkbox"/>	FM001972	PR56	CKD	215	Cast Iron C < 3%	%: Al sol: 0.01; As: 0.02; C: 2.46; Cr: 0.15; Cu: 0.43; Mn: 0.76; Mo: 0.05; Ni: 0.081; P: 0.087; S: 0.17; Si: 3.08; Sn: 0.048; Ti: 0.04; V: 0.05;	200 g	sold out	Send comment
<input type="checkbox"/>	FM002112	PR56	CKD	230	Cast Iron with Magnesium and Rare Earths	%: Al sol: 0.01; As: 0.005; C: 2.55; Ce: 0.01; Co: 0.01; Cr: 0.09; Cu: 1.05; La: (0.005); Mg: 0.04; Mn: 0.31; Mo: 0.05; Ni: 1.11; P: 0.049; S: 0.024; Sb: 0.006; Si: 1.04; Sn: 0.01; Ti:	200 g	sold out	Send comment

Like previously shown you can select CRMs and save them to the cart.

3. Ask for a quotation

The screenshot shows the FLUXsearch website interface. At the top, there is a navigation bar with the following links: Search for Reference Materials, Request For Quote Cart (circled in red), Change profile, Support, and Log out. Below the navigation bar, the page title is 'Requested for quote'. A 'Back to search' button is located above the cart table. The cart table has the following columns: Part#, Prod, Supplier, Manufacturer's code, Content, Composition, Dimension, Quantity, and a delete icon (X). Two items are listed in the cart:

Part#	Prod	Supplier	Manufacturer's code	Content	Composition	Dimension	Quantity	
FM004173	PR56	CKD	233A	Cast Iron	%: Al: 0.035; As: 0.063; B: 0.014; Bi: 0; C: 2.23; Ce: 0; Co: 0.008; Cr: 1.88; Cu: 0.101; Fe: 92.1; La: 0; Mg: 0; Mn: 0.18; Mo: 0.01; N: 0.0037; Nb: 0.01; Ni: 0.061; P: 0.029; Pb: 0.009; S: 0.15; Sb: 0; Se: 0.025; Si: 2.76; Sn: 0.009; Te: 0.011; Ti: 0.16; V: 0.13; W: 0.029; Zn: 0.005; Zr: 0.016;	37x18-25mm	1	X
FM004174	PR56	CKD	238AL	Cast Iron	%: Al: 0.01; As: 0.003; B: 0; Bi: 0; C: 3.5; Ce: 0.059; Co: 0.006; Cr: 0.018; Cu: 0.97; Fe: 91.8; La: 0.022; Mg: 0.039; Mn: 0.43; Mo: 0.002; Nb: 0.012; Ni: 1.1; P: 0.054; Pb: 0.025; S: 0.006; Sb: 0.17; Se: 0.008; Si: 1.5; Sn: 0.06; Te: 0; Ti: 0.023; V: 0.11; W: 0.013; Zn: 0.024; Zr: 0;	37x13-18mm	1	X

At the bottom of the cart, there are two buttons: 'Request for quote' (circled in red) and 'Clear Cart'. The footer of the page includes the FLUXANA logo, HD ELEKTRONIK logo, and the text 'Powered by: KEY to METALS The World's Most Comprehensive METALS Database'.

To request a quotation, go to the cart.

You will find a list of all the standards you selected.

Define the **quantity**.

You can delete a standard or clear the whole cart.

To ask for a quote click on **Request for quote**. You can also add a comment before the list of CRMs is sent to **FLUXANA**.

You will **receive a quotation** as soon as possible, normally the same or next working day.

If you leave **FLUXsearch** without submitting the cart to FLUXANA it will be saved until your next visit.

We wish you a successful CRM search with FLUXsearch!