






The **COMAR** secretariat is held by
 BAM Federal Institute for Materials Research and Testing
 Richard-Willstaetter-Str. 11; 12489 Berlin, Germany
 phone: +49 30 8104-5860 or 5862 fax: +49 30 8104-5577


BAM	Berlin	Germany	
Federal Institute for Materials Research and Testing			
email: comar@bam.de			
homepage: http://www.bam.de			


BelGIM	Minsk	Belarus	
Belarussian State Institute of Metrology			
email: info@belgim.by			
homepage: http://www.belgim.by/theme/en/home/			

CANMET	Ottawa	Canada	
Mining and Mineral Sciences Laboratories			
email: ccrmp@nrcan.gc.ca			
homepage: http://www.nrcan.gc.ca			

CENAM	Querétaro	Mexico	
Centro Nacional de Metrología			
email: yoshito.mitani@cenam.mx			
homepage: http://www.cenam.mx			

CGL	Ulaanbaatar	Mongolia	
Central Geological Laboratory			
email: cegeolab@mongol.net			
homepage: http://www.cegeolab.com			

CMI	Praha	Czech Republic	
Czech Metrology Institute			
email: jberanek@cmi.cz			
homepage: http://www.cmi.cz			

GUM	Warszawa	Poland	
Central Office of Measures			
email: physchem@gum.gov.pl			
homepage: http://www.gum.gov.pl			


IRMM	Geel	European Union	
Institute for Reference Materials and Measurements			
email: jrc-irmm-rm-sales@ec.europa.eu			
homepage: http://www.irmm.jrc.be			

INMETRO	Rio de Janeiro	Brazil	
National Institute of Metrology			
email: prsantos@inmetro.gov.br			
homepage: http://www.inmetro.gov.br			

KRISS	Daejeon	Republic of Korea	
Korea Research Institute of Standards and Science			
email: jmlee@kriss.re.kr			
homepage: http://www.kriss.re.kr			

LGC	London	United Kingdom	
National Measurement System			
email: gill.holcombe@lgc.co.uk			
homepage: http://www.lgc.co.uk			

LNE	Paris	France	
Laboratoire National d'Essais			
email: chantal.royer@lne.fr			
homepage: http://www.lne.fr			

NIM	Beijing	China	
National Institute of Metrology			
email: kanying@nim.ac.cn			
homepage: http://en.nim.ac.cn			

NITE	Tokyo	Japan	
National Institute of Technology & Evaluation			
email: rminfo@nite.go.jp			
homepage: http://www.nite.go.jp			


NMI	Delft	The Netherlands	
Netherlands Measurement Institute			
email: pvanotterloo@nmi.nl			
homepage: http://www.nmi.nl			

NMIA	Pymble	Australia	
National Measurement Institute of Australia			
email: laurie.besley@measurement.gov.au			
homepage: http://www.measurement.gov.au			

NPL	New Delhi	India	
National Physical Laboratory			
email: prabhat@mail.nplindia.ernet.in			
homepage: http://www.nplindia.org			

BIM	Sofia	Bulgaria	
Bulgarian Institute of Metrology			
email: d.ivanova@bim.government.bg			
homepage: http://www.bim.government.bg			

SMU	Bratislava	Slovakia	
Slovenský Metrologický Ústav			
email: csefalvayova@smu.gov.sk			
homepage: http://www.smu.gov.sk			

SP	Borås	Sweden	
Swedish National Testing and Research Institute			
email: bertil.magnusson@sp.se			
homepage: http://www.sp.se			

UNIIM	Ekaterinburg	Russian Federation	
Ural Scientific Research Institute for Metrology			
email: uniim@uniim.ru			
homepage: http://www.uniim.ru			

COMAR



The international database for certified reference materials

COMAR



What is COMAR ?

COMAR is an internet based information service to assist testing and analytical laboratories in finding the reference materials they need.

Presently, COMAR contains information on about 10200 CRMs from about 220 producers in 25 countries.

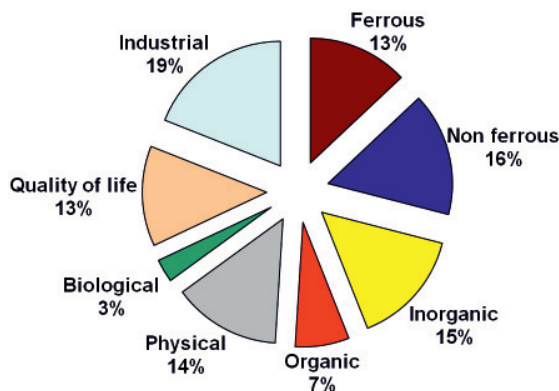
Advantages:

- Free and fast access via the internet
- Continual updating possible by the responsible Coding Centers
- CRM query either with predefined keywords or by free text search

Certified properties:

- Chemical composition
- Physical properties
- Conventional properties

Distribution by fields of application of CRMs



Welcome to COMAR !
<http://www.comar.bam.de>

The international database for certified reference materials

Which CRM information is contained in the COMAR database?

Once you have made your selection contact the CRM producer - all details are included in COMAR	Producer Contact Address Quality statement Additional information	e.g. BAM Division 1.6 Richard-Willstaetter-Str. 11 12489 Berlin, Germany e-mail: sales.crm@bam.de (pdf.file, if available) (pdf.file, if available)
	CRM name	e.g. BAM-376
Every dataset contains searchable sections with basic information on the CRM	Description Application description Packaging/storage Fields of application Sub field Form of material Matrix (<i>under development</i>) Chemical composition Elements Molecules (CAS-No.) Element-/molecule groups (<i>under development</i>) Physical/conventional properties Physical properties (ISO-No.) Conventional properties	e.g. pure copper, Cu 99.5 e.g. intended use of the CRM e.g. unit size: 100 g e.g. Non ferrous e.g. Cu, Zn, Pb, Sn, Bi and alloys e.g. disc e.g. soil e.g. Ag 163.0 µg/g e.g. alpha-HCH (319-84-6) 32.0 µg/kg e.g. pesticides e.g. Activity / 9-33 (5000 - 740000) kBq e.g. Flash point / ISO 1516 (12 - 63) °C
...and additional information about the CRM	Data Files Certificate Report References	(pdf.file or link, if available) (pdf.file or link, if available) (pdf.file or link, if available)
Quality and availability of the CRM	Quality Status	CRM, RM available, out of stock, deleted, under development