

# Pulverised Gold Certified Reference Materials.

Upgrade your standards with  
Pulverised Gold Certified  
Reference Materials from IMS.

## KEY PRODUCT FEATURES

- **Homogenous.**  
Consistency from jar to jar.  
Today and tomorrow.
- **Large Batch Sizes.**  
Security of supply reduces your  
time and costs of changing CRM.
- **Fully Characterised.**  
Round robin testing for  
robust consensus on gold  
concentration.
- **Certification Leader.**  
Multiple ISO accreditations  
makes compliance easier.
- **Data and Support.**  
Access to data and specialist  
advice as part of standard after  
sales service.
- **Access to Expertise.**  
Detailed product knowledge  
developed from our focus  
on CRMs.



As an independent specialist in certified reference materials, we leverage the collective expertise, experience, and technical know-how of our team to prioritise the quality and consistency of our products. Our commitment to product excellence was validated in 2022, when we became the first Australian manufacturer to earn multiple quality accreditations.

## Our Current Range

| CRM#    | Description                | Au (g/t) | STOCKS   |
|---------|----------------------------|----------|----------|
| IMS-225 | Basalt, Weathered Sediment | 0.21     |          |
| IMS-265 | Basalt, Sulphide           | 0.31     |          |
| IMS-190 | Basalt, Sulphide           | 0.32     | LOW      |
| IMS-226 | Basalt, Weathered Sediment | 0.61     |          |
| IMS-227 | Basalt, Weathered Sediment | 0.82     |          |
| IMS-255 | Basalt, Sulphide           | 0.89     |          |
| PBS-86  | Basalt                     | 0.98     | SOLD OUT |
| IMS-191 | Basalt, Sulphide           | 0.98     | SOLD OUT |
| IMS-266 | Basalt, Sulphide           | 1.03     |          |
| IMS-192 | Basalt, Sulphide           | 1.87     | LOW      |
| PBS-87  | Basalt                     | 1.93     | SOLD OUT |
| IMS-267 | Basalt, Sulphide           | 2.00     |          |
| IMS-230 | Basalt, Weathered Sediment | 2.19     |          |
| IMS-231 | Basalt, Weathered Sediment | 3.43     |          |
| PBS-88  | Basalt                     | 4.20     | SOLD OUT |
| IMS-247 | Basalt, Sulphide           | 4.24     |          |
| IMS-193 | Basalt, Sulphide           | 4.35     | SOLD OUT |
| IMS-261 | Basalt, Weathered Sediment | 7.03     |          |
| IMS-194 | Basalt, Sulphide           | 8.01     | LOW      |

Custom  
batches  
available.

Don't see the product you require?  
Contact us.



## Product Details

### UNIFORM HOMOGENEITY

Homogeneity is an important property of all certified reference materials (CRMs). Homogeneity refers to the degree to which the composition and properties of a sample are uniform throughout the batch. Pulverised CRMs are also homogeneous within each jar so that the contribution of sampling error is negligible. At IMS, homogeneity is a top priority, and we measure and report the uncertainty contribution of homogeneity for every jar and every batch before it is fully characterised and released to the market.

### LONG-TERM STABILITY

It is important for you to trust the property values for certified reference materials (CRMs) held in storage after they are manufactured. Stability refers to the ability of a material to maintain its chemical and physical properties over a specific period of time. We monitor our product over time to ensure that the product does not change. While many mineral CRMs are very stable, we also provide you with guidelines on how to store and use our CRMs to maintain their trustworthiness.

### ACCURATE PARTICLE SIZING

Particle size distribution is an important aspect of certified reference materials (CRMs) as it can affect the sampling error and the accuracy and precision of analytical results. Our particle size distributions are designed to match the target for routine prepared samples in the laboratory. We ensure that homogeneity is maximised, and erroneous handling effects are minimised.

### SUPPLY GUARANTEE

We manufacture in large batch sizes because we know that it is important for you to be able to access the same CRM over a long period of time. Our high stock levels mean you don't have to be constantly changing grades or batches, giving you long term quality control over your laboratory process. Let us know your typical monthly usage, and we will set aside material for you.

### MANUFACTURED PRODUCT

Our Pulverised Gold Certified Reference Materials (CRMs) are a manufactured product to a high specification:

- the manufacturing process provides us with the ability to control our product quality with high precision - there is a specific intent in our batch chemistry.
- a variety of controlled matrices available - oxide and sulphide based.
- manufactured standards can be a more effective product for laboratory QC and when resolving quality issues with methods and analysis.
- high quality raw materials are used and products are designed specifically for the application.
- IMS can manufacture matrix matched CRMs from ore supplied on demand.



### AFTER SALES SUPPORT

Think of us as your proactive CRM partner. Our CRM certificates should provide you with all the information you need. If you need us, we are here to help you interpret your CRM data. We also hold a library of samples of all our products. This makes traceability extremely easy and facilitates any troubleshooting and problem-solving you may need our assistance with.

Samples Available  
On Request.

## About IMS

IMS is based in Western Australia, a part of the world known for its strong mining and resource sectors. More importantly, our team boasts outstanding technical capabilities, along with exceptional expertise in geology, standards and resource modelling, minerals analysis, data analysis, geo-chemical laboratories, materials processing and engineering.

Not only are we meticulous about the data and the detail, but we'll always endeavour to stay one step ahead of you, providing what you need, when you need it, for as long as you need it.




### Think of us as your proactive CRM partner.

Robust, transparent data, based on superior statistical treatment and backed by the expertise, experience and technical know-how of our team.

It's why, as an independent CRM specialist, we stand by the quality and consistency of our products.

The data, plus the fact that the people who own our business, run our business.

### IMS – The CRM Specialists.

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*At Iluka Resources, we rely on reference materials for quality control monitoring of our laboratory processes during mineral sands exploration and processing. We first contacted Independent Mineral Standards (IMS) to prepare a batch of mineral sands reference materials. After evaluating the homogeneity of the batch provided by IMS, it became apparent that batches from our previous supplier required reprocessing. IMS has since reprocessed three batches of reference material for us, resulting in a significant decrease in typical relative standard deviation from 4.5% to 0.9%. By switching to IMS as our supplier, we have greatly improved our process control and quality control through the use of fit-for-purpose reference materials.*

IMS is the first dedicated minerals CRM producer in Australia to achieve ISO 17034 accreditation through both the National Association of Testing (NATA) and the ANSI National Accreditation Board (ANAB).

IMS has the global seal of approval, with SAI Global Assurance ISO 9001:2015 certification.

