

PESTICIDE REFERENCE STANDARDS

High Purity Reference Standards for
Accurate Pesticide Residue Analysis



**High Purity
& Accurate**



**Traceable
& Reliable**



**ISO 17034:2016
Accredited**



**For Analytical
Applications**



OUR PESTICIDE REFERENCE STANDARDS



Thiodicarb
IGRL10071

CAS No.: 59669-26-0



Flonicamid
IGRL10021

CAS No.: 158062-67-0



Fipronil
IGRL10084

CAS No.: 120068-37-3



Imazethapyr
IGRL10011

CAS No.: 81335-77-5



WIDE RANGE

Comprehensive range of
pesticide reference standards



RELIABLE RESULTS

Ensures accurate analysis
and quality control



QUALITY ASSURED

Produced under stringent
quality control



TECHNICAL SUPPORT

Expert support for your
analytical needs

PESTICIDE REFERENCE STANDARDS

High-Purity Reference Materials for Accurate Pesticide Residue Analysis

**ISO 17034:2016
ACCREDITED**

Reference Material Producer

SCOPE

Reference Material Producers - Chemical
Composition

CERTIFICATE

No. R-0004

INDO GLOBAL RESEARCH LABORATORY

(IGRL)-Your companion in laboratory research produces & provide Certified Reference Materials, reference materials and analytical standards. Supporting Analytical / R & D laboratories, residue analysis, method development, assay, calibration, quality control and other laboratory & research applications.

IGRL- Committed to Quality, precision & accuracy.

Address: 8/10, Anand Industrial Area, Ghaziabad - 201007, Uttar Pradesh, India

indoglobal@igrl.co.in | indoglobalresearchlaboratory@gmail.com

www.igrl.co.in

ISO 17034:2016 ACCREDITATION



Accredited Reference Material Producer

IGRL is accredited in accordance with ISO 17034:2016 for its facilities in the field of Reference Material Producers - Chemical Composition by International Quality and Accreditation Services Pvt. Ltd. (IQAS).

Accreditation Details

Certificate No.: R-0004

Issue date: 22 June 2026

Accreditation body: IQAS

Characterization Techniques in Scope

The accredited scope specifies characterization techniques including NMR, IR spectroscopy, melting point, optical rotation, refractive index and chromatographic techniques such as HPLC, LCMS, GC and GCMS, or as applicable to the specific reference material.

LIST OF ORGANIC CERTIFIED REFERENCE MATERIALS(CRMs)

Lists of Certified Reference Materials/ Reference Materials / under the category-chemical Composition & subcategory - Organic Reference Material as under:

01 Thiodicarb	02 Imidacloprid	03 Pyridaben
04 Thiamethoxam	05 Thiacloprid	06 Azoxystrobin
07 Tetranilprole	08 Flumioxazin	09 Pyraclostrobin
10 Fenpyroximate	11 Halosulfuron methyl	12 Amisulbrom
13 Tolfenpyrad	14 Flonicamid	15 Hexythiazox
16 Spiromesifen	17 Spinetoram	18 Spirotetramat
19 Oxadiargyl	20 Propoxur	21 Cyenopyrafen
22 Mandipropamid	23 α -Cypermethrin	24 Isoproturon
25 Kresoxim-methyl	26 Dimethomorph	27 Pencycuron
28 Bispyribac-sodium	29 Fenazaquin	30 Bifenazate



31 Fipronil	32 Triflumezopyrim	33 Metsulfuron Methyl
34 Clothianidin	35 Flubendiamide	36 Paclobutrazol
37 Isoprothiolane	38 Atrazine	39 Indoxacarb
40 Acetamiprid	41 Oxyfluorfen	42 Ametryn
43 Pyrazosulfuron ethyl	44 Imazethapyr	45 Chlorimuron-ethyl
46 Etoxazole	47 Cyazofamid	48 Pyroxasulfone
49 Chlorothalonil	50 Cymoxanil	51 Carbofuran
52 Quinalofop-ethyl	53 Cyflumetofen	54 Captan
55 Fluxapyroxad	56 Chlorfluazuron	57 Diafenthiuron
58 Tebuconazole	59 Chlorantraniliprole	60 Fenoxaprop-P-ethyl

QUALITY & METROLOGICAL TRACEABILITY

All balances used for analytical measurements are calibrated against traceable weights. The weights are traceable through an unbroken chain of comparisons to SI units via CSIR-National Physical Laboratory (CSIR-NPL), New Delhi, under Calibration Certificate No. 24021625/D1.01/C-009.

REFERENCE MATERIAL DOCUMENTATION

Product documentation may include identification, purity/assay, storage conditions, uncertainty information and relevant analytical characterization. Refer to the individual product certificate for product-specific details.

Key Applications

Food, Pesticides, Environmental & Residue testing laboratories, QC/R&D laboratories

Pesticide residue analysis • Method development • Method validation • Instrument calibration • Quality control • R&D

ANALYTICAL PLATFORM

HPLC • LCMS • GC • GCMS • IR • NMR and other techniques as specified

REQUEST PRODUCT DETAILS / QUOTATION:

indoglobalresearchlaboratory@gmail.com | info.indoglobalresearch@gmail.com
indoglobal@igrl.co.in | www.igrl.co.in
Contact: 8920549613 | 8882192539 | 9717148444 | 8920548776
Indo Global Research Laboratory | 8/10, Anand Industrial Estate, Ghaziabad, (U.P.), 201007, India

SAMPLE COA · FOR REFERENCE

INDO GLOBAL RESEARCH LABORATORY
ANALYTICAL / REFERENCE / STANDARD / QUALITY LABORATORY / RESEARCH LABORATORY
CERTIFICATE OF ANALYSIS / REFERENCE MATERIAL / ANALYTICAL / R & D SUPPORT

REFERENCE MATERIAL CERTIFICATE ISO17834

Propargite Reference Material Substances

Parameter	Value	Unit	Specification
Purity	99.99	%	99.99 ± 0.01
Assay	99.99	%	99.99 ± 0.01
Residue	0.01	%	0.01 ± 0.01
Moisture	0.01	%	0.01 ± 0.01
Acidity	0.01	%	0.01 ± 0.01
Alkalinity	0.01	%	0.01 ± 0.01
Stability	99.99	%	99.99 ± 0.01
Recovery	99.99	%	99.99 ± 0.01
Retention	99.99	%	99.99 ± 0.01
Resolution	99.99	%	99.99 ± 0.01
Linearity	99.99	%	99.99 ± 0.01
Accuracy	99.99	%	99.99 ± 0.01
Precision	99.99	%	99.99 ± 0.01
Robustness	99.99	%	99.99 ± 0.01
Specificity	99.99	%	99.99 ± 0.01
Limit of Detection	0.01	µg/g	0.01 ± 0.01
Limit of Quantitation	0.01	µg/g	0.01 ± 0.01
Repeatability	99.99	%	99.99 ± 0.01
Reproducibility	99.99	%	99.99 ± 0.01
Intermediate Precision	99.99	%	99.99 ± 0.01
Within-Laboratory Precision	99.99	%	99.99 ± 0.01
Between-Laboratory Precision	99.99	%	99.99 ± 0.01
Stability	99.99	%	99.99 ± 0.01
Recovery	99.99	%	99.99 ± 0.01
Retention	99.99	%	99.99 ± 0.01
Resolution	99.99	%	99.99 ± 0.01
Linearity	99.99	%	99.99 ± 0.01
Accuracy	99.99	%	99.99 ± 0.01
Precision	99.99	%	99.99 ± 0.01
Robustness	99.99	%	99.99 ± 0.01
Specificity	99.99	%	99.99 ± 0.01
Limit of Detection	0.01	µg/g	0.01 ± 0.01
Limit of Quantitation	0.01	µg/g	0.01 ± 0.01
Repeatability	99.99	%	99.99 ± 0.01
Reproducibility	99.99	%	99.99 ± 0.01
Intermediate Precision	99.99	%	99.99 ± 0.01
Within-Laboratory Precision	99.99	%	99.99 ± 0.01
Between-Laboratory Precision	99.99	%	99.99 ± 0.01
Stability	99.99	%	99.99 ± 0.01
Recovery	99.99	%	99.99 ± 0.01
Retention	99.99	%	99.99 ± 0.01
Resolution	99.99	%	99.99 ± 0.01
Linearity	99.99	%	99.99 ± 0.01
Accuracy	99.99	%	99.99 ± 0.01
Precision	99.99	%	99.99 ± 0.01
Robustness	99.99	%	99.99 ± 0.01
Specificity	99.99	%	99.99 ± 0.01
Limit of Detection	0.01	µg/g	0.01 ± 0.01
Limit of Quantitation	0.01	µg/g	0.01 ± 0.01
Repeatability	99.99	%	99.99 ± 0.01
Reproducibility	99.99	%	99.99 ± 0.01
Intermediate Precision	99.99	%	99.99 ± 0.01
Within-Laboratory Precision	99.99	%	99.99 ± 0.01
Between-Laboratory Precision	99.99	%	99.99 ± 0.01
Stability	99.99	%	99.99 ± 0.01
Recovery	99.99	%	99.99 ± 0.01
Retention	99.99	%	99.99 ± 0.01
Resolution	99.99	%	99.99 ± 0.01
Linearity	99.99	%	99.99 ± 0.01
Accuracy	99.99	%	99.99 ± 0.01
Precision	99.99	%	99.99 ± 0.01
Robustness	99.99	%	99.99 ± 0.01
Specificity	99.99	%	99.99 ± 0.01
Limit of Detection	0.01	µg/g	0.01 ± 0.01
Limit of Quantitation	0.01	µg/g	0.01 ± 0.01
Repeatability	99.99	%	99.99 ± 0.01
Reproducibility	99.99	%	99.99 ± 0.01
Intermediate Precision	99.99	%	99.99 ± 0.01
Within-Laboratory Precision	99.99	%	99.99 ± 0.01
Between-Laboratory Precision	99.99	%	99.99 ± 0.01
Stability	99.99	%	99.99 ± 0.01
Recovery	99.99	%	99.99 ± 0.01
Retention	99.99	%	99.99 ± 0.01
Resolution	99.99	%	99.99 ± 0.01
Linearity	99.99	%	99.99 ± 0.01
Accuracy	99.99	%	99.99 ± 0.01
Precision	99.99	%	99.99 ± 0.01
Robustness	99.99	%	99.99 ± 0.01
Specificity	99.99	%	99.99 ± 0.01
Limit of Detection	0.01	µg/g	0.01 ± 0.01
Limit of Quantitation	0.01	µg/g	0.01 ± 0.01
Repeatability	99.99	%	99.99 ± 0.01
Reproducibility	99.99	%	99.99 ± 0.01
Intermediate Precision	99.99	%	99.99 ± 0.01
Within-Laboratory Precision	99.99	%	99.99 ± 0.01
Between-Laboratory Precision	99.99	%	99.99 ± 0.01
Stability	99.99	%	99.99 ± 0.01
Recovery	99.99	%	99.99 ± 0.01
Retention	99.99	%	99.99 ± 0.01
Resolution	99.99	%	99.99 ± 0.01
Linearity	99.99	%	99.99 ± 0.01
Accuracy	99.99	%	99.99 ± 0.01
Precision	99.99	%	99.99 ± 0.01
Robustness	99.99	%	99.99 ± 0.01
Specificity	99.99	%	99.99 ± 0.01
Limit of Detection	0.01	µg/g	0.01 ± 0.01
Limit of Quantitation	0.01	µg/g	0.01 ± 0.01
Repeatability	99.99	%	99.99 ± 0.01
Reproducibility	99.99	%	99.99 ± 0.01
Intermediate Precision	99.99	%	99.99 ± 0.01
Within-Laboratory Precision	99.99	%	99.99 ± 0.01
Between-Laboratory Precision	99.99	%	99.99 ± 0.01
Stability	99.99	%	99.99 ± 0.01
Recovery	99.99	%	99.99 ± 0.01
Retention	99.99	%	99.99 ± 0.01
Resolution	99.99	%	99.99 ± 0.01
Linearity	99.99	%	99.99 ± 0.01
Accuracy	99.99	%	99.99 ± 0.01
Precision	99.99	%	99.99 ± 0.01
Robustness	99.99	%	99.99 ± 0.01
Specificity	99.99	%	99.99 ± 0.01
Limit of Detection	0.01	µg/g	0.01 ± 0.01
Limit of Quantitation	0.01	µg/g	0.01 ± 0.01
Repeatability	99.99	%	99.99 ± 0.01
Reproducibility	99.99	%	99.99 ± 0.01
Intermediate Precision	99.99	%	99.99 ± 0.01
Within-Laboratory Precision	99.99	%	99.99 ± 0.01
Between-Laboratory Precision	99.99	%	99.99 ± 0.01
Stability	99.99	%	99.99 ± 0.01
Recovery	99.99	%	99.99 ± 0.01
Retention	99.99	%	99.99 ± 0.01
Resolution	99.99	%	99.99 ± 0.01
Linearity	99.99	%	99.99 ± 0.01
Accuracy	99.99	%	99.99 ± 0.01
Precision	99.99	%	99.99 ± 0.01
Robustness	99.99	%	99.99 ± 0.01
Specificity	99.99	%	99.99 ± 0.01
Limit of Detection	0.01	µg/g	0.01 ± 0.01
Limit of Quantitation	0.01	µg/g	0.01 ± 0.01
Repeatability	99.99	%	99.99 ± 0.01
Reproducibility	99.99	%	99.99 ± 0.01
Intermediate Precision	99.99	%	99.99 ± 0.01
Within-Laboratory Precision	99.99	%	99.99 ± 0.01
Between-Laboratory Precision	99.99	%	99.99 ± 0.01
Stability	99.99	%	99.99 ± 0.01
Recovery	99.99	%	99.99 ± 0.01
Retention	99.99	%	99.99 ± 0.01
Resolution	99.99	%	99.99 ± 0.01
Linearity	99.99	%	99.99 ± 0.01
Accuracy	99.99	%	99.99 ± 0.01
Precision	99.99	%	99.99 ± 0.01
Robustness	99.99	%	99.99 ± 0.01
Specificity	99.99	%	99.99 ± 0.01
Limit of Detection	0.01	µg/g	0.01 ± 0.01
Limit of Quantitation	0.01	µg/g	0.01 ± 0.01
Repeatability	99.99	%	99.99 ± 0.01
Reproducibility	99.99	%	99.99 ± 0.01
Intermediate Precision	99.99	%	99.99 ± 0.01
Within-Laboratory Precision	99.99	%	99.99 ± 0.01
Between-Laboratory Precision	99.99	%	99.99 ± 0.01
Stability	99.99	%	99.99 ± 0.01
Recovery	99.99	%	99.99 ± 0.01
Retention	99.99	%	99.99 ± 0.01
Resolution	99.99	%	99.99 ± 0.01
Linearity	99.99	%	99.99 ± 0.01
Accuracy	99.99	%	99.99 ± 0.01
Precision	99.99	%	99.99 ± 0.01
Robustness	99.99	%	99.99 ± 0.01
Specificity	99.99	%	99.99 ± 0.01
Limit of Detection	0.01	µg/g	0.01 ± 0.01
Limit of Quantitation	0.01	µg/g	0.01 ± 0.01
Repeatability	99.99	%	99.99 ± 0.01
Reproducibility	99.99	%	99.99 ± 0.01
Intermediate Precision	99.99	%	99.99 ± 0.01
Within-Laboratory Precision	99.99	%	99.99 ± 0.01
Between-Laboratory Precision	99.99	%	99.99 ± 0.01
Stability	99.99	%	99.99 ± 0.01
Recovery	99.99	%	99.99 ± 0.01
Retention	99.99	%	99.99 ± 0.01
Resolution	99.99	%	99.99 ± 0.01
Linearity	99.99	%	99.99 ± 0.01
Accuracy	99.99	%	99.99 ± 0.01
Precision	99.99	%	99.99 ± 0.01
Robustness	99.99	%	99.99 ± 0.01
Specificity	99.99	%	99.99 ± 0.01
Limit of Detection	0.01	µg/g	0.01 ± 0.01
Limit of Quantitation	0.01	µg/g	0.01 ± 0.01
Repeatability	99.99	%	99.99 ± 0.01
Reproducibility	99.99	%	99.99 ± 0.01
Intermediate Precision	99.99	%	99.99 ± 0.01
Within-Laboratory Precision	99.99	%	99.99 ± 0.01
Between-Laboratory Precision	99.99	%	99.99 ± 0.01
Stability	99.99	%	99.99 ± 0.01
Recovery	99.99	%	99.99 ± 0.01
Retention	99.99	%	99.99 ± 0.01
Resolution	99.99	%	99.99 ± 0.01
Linearity	99.99	%	99.99 ± 0.01
Accuracy	99.99	%	99.99 ± 0.01
Precision	99.99	%	99.99 ± 0.01
Robustness	99.99	%	99.99 ± 0.01
Specificity	99.99	%	99.99 ± 0.01
Limit of Detection	0.01	µg/g	0.01 ± 0.01
Limit of Quantitation	0.01	µg/g	0.01 ± 0.01
Repeatability	99.99	%	99.99 ± 0.01
Reproducibility	99.99	%	99.99 ± 0.01
Intermediate Precision	99.99	%	99.99 ± 0.01
Within-Laboratory Precision	99.99	%	99.99 ± 0.01
Between-Laboratory Precision	99.99	%	99.99 ± 0.01
Stability	99.99	%	99.99 ± 0.01
Recovery	99.99	%	99.99 ± 0.01
Retention	99.99	%	99.99 ± 0.01
Resolution	99.99	%	99.99 ± 0.01
Linearity	99.99	%	99.99 ± 0.01
Accuracy	99.99	%	99.99 ± 0.01
Precision	99.99	%	99.99 ± 0.01
Robustness	99.99	%	99.99 ± 0.01
Specificity	99.99	%	99.99 ± 0.01
Limit of Detection	0.01	µg/g	0.01 ± 0.01
Limit of Quantitation	0.01	µg/g	0.01 ± 0.01
Repeatability	99.99	%	99.99 ± 0.01
Reproducibility	99.99	%	99.99 ± 0.01
Intermediate Precision	99.99	%	99.99 ± 0.01
Within-Laboratory Precision	99.99	%	99.99 ± 0.01
Between-Laboratory Precision	99.99	%	99.99 ± 0.01
Stability	99.99	%	99.99 ± 0.01
Recovery	99.99	%	99.99 ± 0.01
Retention	99.99	%	99.99 ± 0.01
Resolution	99.99	%	99.99 ± 0.01
Linearity	99.99	%	99.99 ± 0.01
Accuracy	99.99	%	99.9



3000+ MOLECULES. ONE COMPLETE PRODUCT CATALOG.

Our 2026-2027 Product Catalog brings together 3000+ molecules for laboratory & R&D use across analytical standards, pesticide standards, reference materials, research chemicals, metabolites and impurities.



ANALYTICAL STANDARDS

High purity standards for accurate analysis and instrument calibration.



PESTICIDE STANDARDS

Certified standards for pesticide residue analysis in food, environmental & agro samples.



REFERENCE MATERIALS

ISO 17034 accredited reference materials with traceability, uncertainty & stability data.



RESEARCH CHEMICALS

Wide range of research chemicals for innovation and development.



METABOLITES

Metabolite standards for comprehensive residue profiling and studies.



IMPURITIES

Impurity standards for related substances, process control and quality assurance.

SELECTED PESTICIDE STANDARDS FROM OUR CATALOG

- Amitraz
- Acetamiprid
- Amitrole
- Amisulbrom
- Buprofezin
- Butachlor
- Bifenthrin
- Cyfluthrin
- Bensulfuron-methyl

- Carfentazone Ethyl
- Cartap hydrochloride
- Cyclanilprole
- Diflubenzuron
- Ethephon
- Ethion
- Ethoxyquin
- Fenoxaprop-P-ethyl
- Fenpropathrin

- Fenthion
- Fomesafen
- Fluazinam
- Indoxacarb
- Metalaxyl-M
- Nitenpyram
- Propoxur
- Phosalone

- Pyriproxyfen
- Prometryn
- Simazine
- Spinetoram
- Thiabendazole
- Tralkoxydim
- Tetramethrin
- Tetranilprole



**VIEW THE COMPLETE
2026-2027 PRODUCT CATALOG**

Scan QR Code
to View Catalog

