



**Australian Government**  
**Department of Industry,  
Science and Resources**

**National  
Measurement  
Institute**



# **Agrichemical and Veterinary Catalogue December 2023**

*Quality reference materials for identification and calibration are essential to making accurate chemical measurements in food and environmental testing.*

Category	Description	NMI reference	Unit of issue (mg)	Domestic Cost (A\$) (excl GST)	International Cost (A\$)
Agrichemicals, key metabolites and surrogates	Albendazole sulfoxide	P1792	25	275	385
Agrichemicals, key metabolites and surrogates	Albendazole sulfone	P1793	25	275	385
Agrichemicals, key metabolites and surrogates	Bifenthrin	P1804	20	121	169
Agrichemicals, key metabolites and surrogates	d <sub>5</sub> -Bifenthrin	P1806	1	121	169
Agrichemicals, key metabolites and surrogates	Carbophenothion sulfoxide	P1726	25	275	385
Agrichemicals, key metabolites and surrogates	Carbophenothion sulfone	P1727	25	275	385
Agrichemicals, key metabolites and surrogates	<i>cis</i> -Chlordane	P1624	25	188	264
Agrichemicals, key metabolites and surrogates	<i>trans</i> -Chlordane	P1625	25	188	264
Agrichemicals, key metabolites and surrogates	Chlorfluazuron	P1489	100	188	264
Agrichemicals, key metabolites and surrogates	Chlorpyrifos	P1666a	250	188	264
Agrichemicals, key metabolites and surrogates	<i>p,p'</i> -DDD	P1311	50	155	218
Agrichemicals, key metabolites and surrogates	<i>p,p'</i> -DDT	P1309	50	155	218
Agrichemicals, key metabolites and surrogates	Dieldrin	P1747	50	155	218
Agrichemicals, key metabolites and surrogates	Dibromo-DDE	P1373c	50	228	319
Agrichemicals, key metabolites and surrogates	Difluoro-DDE	P1310b	50	228	319

Category	Description	NMI reference	Unit of issue (mg)	Domestic Cost (A\$) (excl GST)	International Cost (A\$)
Agrichemicals, key metabolites and surrogates	Dimethoate	P1642	50	155	218
Agrichemicals, key metabolites and surrogates	$\alpha$ -Endosulfan	P1368	50	155	218
Agrichemicals, key metabolites and surrogates	$\beta$ -Endosulfan	P1369	50	155	218
Agrichemicals, key metabolites and surrogates	Endosulfan diol	P1370	50	228	319
Agrichemicals, key metabolites and surrogates	Endosulfan ether	P1371	25	275	385
Agrichemicals, key metabolites and surrogates	Endosulfan sulfate	P1372	50	275	385
Agrichemicals, key metabolites and surrogates	d <sub>4</sub> -Endosulfan sulfate	P1803	1	188	264
Agrichemicals, key metabolites and surrogates	Fenbendazole sulfone	P1791	25	275	385
Agrichemicals, key metabolites and surrogates	Fipronil	P1668	50	188	264
Agrichemicals, key metabolites and surrogates	Fipronil sulfone	P1731	25	275	385
Agrichemicals, key metabolites and surrogates	Fluazuron	P1490	100	155	218
Agrichemicals, key metabolites and surrogates	Heptachlor	P1394	50	155	218
Agrichemicals, key metabolites and surrogates	Heptachlor epoxide (exo)	P1395	20	188	264
Agrichemicals, key metabolites and surrogates	HMMNI (nitroimidazole metabolite)	P1296	50	275	385
Agrichemicals, key metabolites and surrogates	Iprodione	P1805	20	155	218
Agrichemicals, key metabolites and surrogates	Ketotriclabendazole	P1725b	5	309	433

Category	Description	NMI reference	Unit of issue (mg)	Domestic Cost (A\$) (excl GST)	International Cost (A\$)
Agrichemicals, key metabolites and surrogates	Lindane ( $\gamma$ -BHC)	P1332	50	155	218
Agrichemicals, key metabolites and surrogates	d <sub>6</sub> -Methamidophos	P1712	1	188	264
Agrichemicals, key metabolites and surrogates	Methoxychlor	P1305	100	155	218
Agrichemicals, key metabolites and surrogates	<i>trans</i> -Nonachlor	P1623	10	228	319
Agrichemicals, key metabolites and surrogates	Oxychlorane	P1622	1 (ampoule)	228	319
Agrichemicals, key metabolites and surrogates	Sulfadiazine	M317	25	121	169
Agrichemicals, key metabolites and surrogates	2,4,6-Trichlorophenoxyacetic acid	P1375	50	188	264
Agrichemicals, key metabolites and surrogates	Trifluralin	P1408	50	155	218
Agrichemicals, key metabolites and surrogates	Triclabendazole	P1788	10	275	385
Agrichemicals, key metabolites and surrogates	Triclabendazole sulfoxide	P1685	25	275	385
Agrichemicals, key metabolites and surrogates	Triclabendazole sulfone	P1684	25	275	385
Agrichemicals, key metabolites and surrogates	Vamidothion	P1728	25	188	264
Agrichemicals, key metabolites and surrogates	Vamidothion sulfoxide (withdrawn from sales)	P1729	25	N/A	N/A
Agrichemicals, key metabolites and surrogates	Vamidothion sulfone	P1730	25	275	385
Veterinary steroids, growth promotants, antibiotics and key metabolites*	Acepromazine maleate	M259	20	121	169

Category	Description	NMI reference	Unit of issue (mg)	Domestic Cost (A\$) (excl GST)	International Cost (A\$)
Veterinary steroids, growth promotants, antibiotics and key metabolites*	17 $\alpha$ -Boldenone (Epiboldenone)	D582b	1	121	169
Veterinary steroids, growth promotants, antibiotics and key metabolites*	17 $\beta$ -Boldenone glucuronide (K <sup>+</sup> salt)	D862	1	228	319
Veterinary steroids, growth promotants, antibiotics and key metabolites*	Chloramphenicol glucuronic acid	P1808	1	121	169
Veterinary steroids, growth promotants, antibiotics and key metabolites*	d <sub>9</sub> -Clenbuterol hydrochloride	M954	1	N/A	N/A
Veterinary steroids, growth promotants, antibiotics and key metabolites*	Fluorogestone (Flugestone)	D652	5	188	264
Veterinary steroids, growth promotants, antibiotics and key metabolites*					
Veterinary steroids, growth promotants, antibiotics and key metabolites*					
Veterinary steroids, growth promotants, antibiotics and key metabolites*	Melengestrol acetate	D632	50	N/A	N/A
Veterinary steroids, growth promotants, antibiotics and key metabolites*	17 $\alpha$ -Nandrolone (Epinandrolone)	D722e	1	121	169
Veterinary steroids, growth promotants, antibiotics and key metabolites*	17 $\beta$ -Nandrolone glucuronide (K <sup>+</sup> salt)	D861	1	228	319
Veterinary steroids, growth promotants, antibiotics and key metabolites*	Sulfatroxazole	M890d	20	121	169
Veterinary steroids, growth promotants, antibiotics and key metabolites*	17 $\alpha$ -Trenbolone (Epitrenbolone)	D708	5	228	319

Category	Description	NMI reference	Unit of issue (mg)	Domestic Cost (A\$) (excl GST)	International Cost (A\$)
Veterinary steroids, growth promotants, antibiotics and key metabolites*	$\alpha$ -Zearalanol	P1801	5	121	169
Veterinary steroids, growth promotants, antibiotics and key metabolites*	$\beta$ -Zearalanol	P1802	5	121	169
Veterinary steroids, growth promotants, antibiotics and key metabolites*	$\alpha$ -Zearalenol	P1795	5	275	385
Veterinary steroids, growth promotants, antibiotics and key metabolites*	$\beta$ -Zearalenol	P1796	5	275	385
Veterinary steroids, growth promotants, antibiotics and key metabolites*	Zearalenone	P1787b	10	188	264

\*Refer to NMI's sports doping control reference material catalogues for a full listing of available steroids.

## NMI Reference Materials

Reference Materials (RMs) produced by NMI are NATA accredited to ISO 17034:2016(E) and prepared in accordance with our accreditation.

RMs have demonstrated homogeneity and stability and are supplied with:

- Product information sheet
- Safety Data Sheet (SDS)

## NMI Certified Reference Materials

Certified Reference Materials (CRMs) produced by NMI have established metrological traceability to the SI unit for mass (kg).

CRMs have certified purity values, stated as a mass fraction with associated uncertainty and are supplied with:

- Certificate of Analysis (CoA)

## Candidate materials

All care is taken in the storage and handling of these materials however they are not independently certified by NMI.

Individual unit issue size varies depending on the amount available and the difficulty of obtaining the replacement compound. They can be provided with the analytical information available.

## Ampouled Materials

For each ampouled reference material the product information sheet / certificate of analysis will state the mass of analyte dispensed into each ampoule.

## GST charges (Australian customers only)

The prices quoted are EXCLUSIVE of Goods and Services Tax (GST). The current GST rate is 10%. Upon delivery of the requested reference materials NMI will issue valid tax invoices and, if required, adjustment notes as per the requirements of the GST legislation.

## Delivery Fee

Delivery and handling fees apply for all orders and vary with destination. Please check the applicable rates when ordering.

## For further information



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NMI reference materials available globally through our international partner:

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