



Australian Government
Department of Industry,
Innovation and Science

National Measurement Institute



Agrichemical and Veterinary Drug Reference Materials Catalogue

NMI reference materials available globally through our international partners:



Cerilliant[®]
Analytical Reference Standards

Cerilliant

www.cerilliant.com



LGC Standards

www.lgcstandards.com

MERCK

Merck

www.sigmaaldrich.com

	NMI reference	Unit of issue (mg)	Cost (A\$)	
			Domestic (excl GST)	International
Agrichemicals, key metabolites and surrogates				
Albendazole sulfoxide	P1792	25	250	350
Albendazole sulfone	P1793	25	250	350
Bifenthrin	P1804	20	110	154
d ₅ -Bifenthrin	P1806	1	110	154
Carbophenothion sulfoxide	P1726	25	250	350
Carbophenothion sulfone	P1727	25	250	350
<i>cis</i> -Chlordane	P1624	25	171	240
<i>trans</i> -Chlordane	P1625	25	171	240
Chlorfluazuron	P1489	100	171	240
Chlorpyrifos	P1666	250	171	240
<i>p,p</i> -DDD	P1311	50	141	198
<i>p,p</i> -DDT	P1309	50	141	198
Dieldrin	P1747	50	141	198
Dibromo-DDE	P1373b	50	207	290
Difluoro-DDE	P1310b	50	207	290
Dimethoate	P1642	50	141	198
α-Endosulfan	P1368	50	141	198
β-Endosulfan	P1369	50	141	198
Endosulfan diol	P1370	50	207	290
Endosulfan ether	P1371	25	250	350
Endosulfan sulfate	P1372	50	250	350
d ₄ -Endosulfan sulfate	P1803	1	171	240
Fenbendazole sulfone	P1791	25	227	315
Fipronil	P1668	50	171	240
Fipronil sulfone	P1731	25	250	350
Fluazuron	P1490	100	141	198
Heptachlor	P1394	50	141	198
Heptachlor epoxide (exo)	P1395	20	171	240
HMMNI (nitroimidazole metabolite)	P1296	50	250	350
Iprodione	P1805	20	141	198
Ketotriclabendazole	P1725	5	281	394
Lindane (γ-BHC)	P1332	50	141	198
Methamidophos	P1760	20	207	290
d ₆ -Methamidophos	P1712	1	171	240
Methoxychlor	P1305	100	141	198
<i>trans</i> -Nonachlor	P1623	10	207	290

	NMI reference	Unit of issue (mg)	Cost (A\$)	
			Domestic (excl GST)	International
Oxychlordan	P1622	1 (ampoule)	207	290
Sulfadiazine	M317	25	110	154
2,4,6-Trichlorophenoxyacetic acid	P1375	50	171	240
Trifluralin	P1408	50	141	198
Triclabendazole	P1788	10	250	350
Triclabendazole sulfoxide	P1685	25	250	350
Triclabendazole sulfone	P1684	25	250	350
Vamidithion	P1728	25	171	240
Vamidithion sulfoxide	P1729	25	250	350
Vamidithion sulfone	P1730	25	250	350
Veterinary steroids, growth promotants, antibiotics and key metabolites*				
Acepromazine maleate	M259	20	110	154
17 α -Boldenone (Epiboldenone)	D582	1	110	154
17 β -Boldenone glucuronide (K ⁺ salt)	D862	1	207	290
17 β -Boldenone sulfate	D794	5	141	198
Chloramphenicol glucuronide	D714	1	110	154
d ₉ -Clenbuterol hydrochloride	M954	1	171	240
Fluorogestone (Flugestone)	D652	5	171	240
Megesterol	D651	5	171	240
Melengestrol	D655	5	171	240
Melengestrol acetate	D632	50	171	240
17 α -Nandrolone (Epinandrolone)	D722d	1	110	154
17 β -Nandrolone glucuronide (K ⁺ salt)	D861	1	207	290
Sulfatroxazole	M890d	20	110	154
17 α -Trenbolone (Epitrenbolone)	D708	5	207	290
α -Zearalanol	P1801	5	110	154
β -Zearalanol	P1802	5	110	154
α -Zearalenol	P1795	5	250	350
β -Zearalenol	P1796	5	250	350
Zearalenone	P1787	10	171	240

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

NOTES

1. Classes of Reference Materials available from NMI

The majority of products listed in this catalogue are classified as reference materials in accordance with the definition detailed in ISO 17034:2016(E) *General requirements for the competence of reference materials producers*.

1.1 NMI Reference Materials

Reference Materials (RMs) produced by NMI are prepared in accordance with our accreditation from NATA to ISO 17034:2016(E) *General requirements for the competence of reference materials producers*. RMs are supplied with product information sheets and SDS, and have demonstrated homogeneity and stability.

1.2 NMI Certified Reference Materials

Certified Reference Materials (CRMs) produced by NMI have established metrological traceability to the SI unit for mass (kg). All purity values, stated as a mass fraction, are reported with the associated uncertainty in the certificate of analysis.

1.3 Other Standards

In addition to materials certified by NMI, we maintain a limited collection of agrichemical and veterinary materials obtained from various sources. They are provided with the most current certification information available. In addition to the minimum fee, purchase costs incurred by NMI to obtain individual compounds are recovered on a pro-rata basis. Individual unit issue size varies depending on the amount available and the difficulty of obtaining replacement compound.

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

We endeavour to provide material with currently valid certification but cannot do so in all cases.

2. Ampouled Materials

For each ampouled reference material the product information sheet / certificate of analysis will state the mass of analyte dispensed into each ampoule. For reference materials with certified reference material status the mass of analyte will be reported with an associated uncertainty.

3. 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.

4. Delivery Fee

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

5. For further information

Customer Service Officer,
Chemical Reference Materials Team,
National Measurement Institute,
GPO Box 2013, Canberra, ACT 2601, Australia.

Phone: +61 2 9449 0191

Fax: +61 2 9449 0292

Email: chemref@measurement.gov.au

Web: www.measurement.gov.au/chemref