

數值換算 / Conversion Calculation

對於下表中的測試項目(AX)·目前實驗室僅能樣品中的相應元素或物質(A)含量進行分析·然後在假設樣品中的元素或物質(A)全部以化合物(AX)形式存在的前提下通過換算·即將測試結果(A)乘以轉換因數(F)·得出測試項目(AX)的參考值·此參考值代表意義為樣品中該項測試結果可能含有該測試項目化合物或同分異構體的最大值。

For the test items (AX) in the following table, our laboratory currently can only analyze the content of the corresponding elements/substances (A) in the samples. Assuming the elements/substances (A) from the samples are all in the compound form (AX), the conversion is then carried. The resulting value (A) multiplies by the conversion factor (F), and the reference value of testing item (AX) is obtained. This reference value indicates that the sample may contain the particular compounds or the maximum value of the isomer.

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換算公式 (Conversion Formula) : $AX = A \times F$

AX	A	F	
五氧化二砷 / Diarsenic pentaoxide	砷 / Arsenic (As)	1.5339	
三氧化二砷 / Diarsenic trioxide		1.3203	
三乙基砷酸酯 / Triethyl arsenate		3.0179	
砷酸氫鉛 / Lead hydrogen arsenate		4.6332	
苦味酸鉛 / Lead dipicrate	鉛 / Lead (Pb)	1.6753	
中性斯蒂酚酸鉛 / Lead styphnate		3.2017	
疊氮化鉛 / Lead diazide, Lead azide		2.1732	
砷酸鉛 / Trilead diarsenate		1.4056	
砷酸 / Arsenic acid	砷 / Arsenic (As)	1.447	
砷酸鈣 / Calcium arsenate		6.0025	
甲基磺酸鉛 / Lead(II) bis(methanesulfonate)	鉛 / Lead (Pb)	1.8946	
城式醋酸鉛 / Acetic acid, lead salt, basic		2.6566	
城式碳酸鉛 / Trilead bis(carbonate) dihydroxide (basic lead carbonate)		1.9179	
城式硫酸鉛 / Lead oxide sulfate		1.367	
[1,2-苯二羧酸根合]三氧化二鉛 / [Phthalato(2-)] dioxotrilead		1.2478	
雙(十八酸基)二氧代三鉛 / Dioxobis(stearato) trilead		1.2704	
C16-18-脂肪酸鉛鹽 / Fatty acids, C16-18, lead salts		1.3155	
氨基氰鉛鹽 / Lead cyanamidate		1.9635	
硝酸鉛 / Lead dinitrate		3.7362	
氧化鉛 / Lead oxide (lead monoxide)		1.2029	
四氧化鉛 / Lead tetroxide (orange lead)		1.5985	
氧化鉛與硫酸鉛的複合物 / Pentalead tetraoxide sulphate		1.0772	
矽酸鉛 / Silicic acid, lead salt		1.1030	
亞硫酸鉛(II) / Sulfurous acid, lead salt, dibasic		1.1545	
四乙基鉛 / Tetraethyllead		1.3672	
三鹼式硫酸鉛 / C.I. 顏料白 / Tetralead trioxide sulphate		1.2753	
鈦酸鉛 / Lead titanium trioxide		1.561	
鈦酸鉛鋇 / Lead Titanium Zirconium Oxide		1.1738	
C.I.顏料黃41 / Pyrochlore, antimony lead yellow		1.4627	
磷酸氧化鉛 / Trilead dioxide phosphonate		1.6719	
氧化雙三丁基錫 / Bis(tributyltin) oxide (TBTO) (CAS No.: 56-35-9)		1.8579	
		1.1801	
		三丁基錫 / Tributyl Tin (TBT)	1.024

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換算公式 (Conversion Formula) : $AX = A \times F$

AX	A	F	
硫酸鈷(二價) / Cobalt(II) sulphate	鈷 / Cobalt (Co)	2.63	
硝酸鈷(二價) / Cobalt(II) dinitrate		3.1042	
碳酸鈷(二價) / Cobalt(II) carbonate		2.0183	
醋酸鈷(二價) / Cobalt(II) diacetate		3.0038	
重鉻酸鈉 / Sodium dichromate	六價鉻 / Hexavalent Chromium Cr(VI)	2.5192	
鉻酸鈉 / Sodium chromate		3.1151	
重鉻酸銨 / Ammonium dichromate		2.4239	
重鉻酸鉀 / Potassium dichromate		2.8289	
鉻酸鉀 / Potassium chromate		3.7347	
三氧化鉻 / Chromium trioxide		1.9231	
鉻酸 / Chromic acid		2.2696	
重鉻酸 / Dichromic acid		2.0963	
鉻酸銣 / Strontium chromate		3.9159	
八氫氧化五鉻酸鋅 / Pentazinc chromate octahydroxide		11.1345	
氫氧化鉻酸鋅鉀 / Potassium hydroxyoctaoxidizincatedi-chromate		4.0277	
鉻酸鉻 / Dichromium tris (chromate)		2.8975	
含鉛的矽酸鋇 / Silicic acid, barium salt, lead-doped		鋇 / Barium (Ba)	1.9916
四氟硼酸鉛(II) / Lead bis(tetrafluoroborate)		鉛 / Lead (Pb)	1.8378
硼酸 / Boric acid	硼 / Boron (B)	17.6133	
無水四硼酸二鈉 / Disodium tetraborate, anhydrous		5.7184	
水合硼酸鈉(五水四硼酸二鈉) / Disodium tetraborate, pentahydrate		4.6531	
水合硼酸鈉(十水四硼酸二鈉) / Disodium tetraborate, decahydrate		6.7361	
三氧化二硼 / Diboron trioxide		8.8191	
過硼酸鈉 / Sodium perborate; perboric acid, sodium salt		3.2194	
過氧偏硼酸鈉 / Sodium peroxometaborate		9.2333	
氧化硼鈉 / Disodium octaborate (CAS No.: 12008-41-2)		7.5668	
硼酸鈉鹽 / Orthoboric acid, sodium salt (CAS No.: 13840-56-7)		3.9367	
氧化鎘 / Cadmium oxide		11.8215	
硫化鎘 / Cadmium sulphide	鎘 / Cadmium (Cd)	1.1423	
氯化鎘 / Cadmium chloride		1.2853	
氟化鎘 / Cadmium fluoride		1.6307	
硫酸鎘 / Cadmium sulphate		1.338	
硝酸鎘 / Cadmium nitrate (CAS No.: 10325-94-7)		1.8546	
碳酸鎘 / Cadmium carbonate (CAS No.: 513-78-0)		2.1031	
氫氧化鎘 / Cadmium hydroxide (CAS No.: 21041-95-2)		1.5338	
醋酸鉛 / Lead di(acetate)		鉛 / Lead (Pb)	1.3026
鉻酸鉛 / Lead chromate		鉛 / Lead (Pb)	1.57
鉻酸鉛 ; 顏色索引: 顏料黃34 / Lead sulfochromate yellow (C.I. Pigment Yellow 34)	六價鉻 / Cr(VI)	1.5598	
	六價鉻 / Cr(VI)	6.2157	
鉻酸鉛 ; 顏色索引: 顏料紅104 / Lead chromate molybdate sulphate red (C.I. Pigment Red 104)	鉛 / Lead (Pb)	1.5625	
	六價鉻 / Cr(VI)	9.2949	
	鉛 / Lead (Pb)	1.6949	
	六價鉻 / Cr(VI)	8.2622	

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換算公式 (Conversion Formula) : $AX = A \times F$

AX	A	F
二正辛基-雙(2-乙基己基巰基乙酸酯)錫 / 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE) (CAS No.: 15571-58-1)	二辛基錫 / Dioctyl Tin (DOT)	2.1655
二月桂酸二辛基錫·錫烷·二辛基-雙(椰油醯氧基)衍生物·以及任何其他錫烷·二辛基-雙(脂肪醯氧基)衍生物。其中C12為脂肪醯氧基部分的主要碳原子數 / Dioctyltin dilaurate, stannane, dioctyl-, bis(coco acyloxy) derivs., and any other stannane, dioctyl-, bis(fatty acyloxy) derivs. wherein C12 is the predominant carbon number of the fatty acyloxy moiety		2.22
二正丁基雙(乙醯丙酮基)錫 / Dibutylbis(pentane-2,4-dionato-O,O')tin (CAS No.: 22673-19-4)	二丁基錫 / Dibutyl Tin (DBT)	1.42
二氯二丁基錫 / Dibutyltin dichloride (DBTC) (CAS No.: 683-18-1)		1.2932
四氧化三鈷含 $\geq 0.1\%$ w/w 氧化鎳 / Tricobalt tetraoxide containing $\geq 0.1\%$ w/w nickel oxides (CAS No.: 1308-06-1)	鈷 / Cobalt (Co)	1.4103
全氟辛酸鈹 / APFO (CAS No.: 3825-26-1)	全氟辛酸 / PFOA	1.041

換算公式 (Conversion Formula) : $AX = A1 \times F1 + A2 \times F2$

AX	A	F
二正辛基-雙(2-乙基己基巰基乙酸酯)錫和單辛基-三(2-乙基己基巰基乙酸酯)錫的反應物 / Reaction mass of 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate and 2-ethylhexyl 10-ethyl-4-[[2-[(2-ethylhexyl)oxy]-2-oxoethyl]thio]-4-octyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (reaction mass of DOTE and MOTE)	1 二辛基錫 / Dioctyl Tin (DOT)	2.1781
	2 單辛基錫 / MonoctylTin (MOT)	3.5833
氧化銦錫 / Indium tin oxide	1 銦 / Indium (In)	1.2090
	2 錫 / Tin (Sn)	1.2696

換算公式 (Conversion Formula) : $AX = A \times F$

AX	A	F
三氧化二銻 / Antimony trioxide ($Sb_2 O_3$)	銻 / Antimony (Sb)	1.1971
三氧化銻 / Antimony Trioxide (SbO_3)	銻 / Antimony (Sb)	1.3942
氧化鈹 / Beryllium oxide (BeO)	鈹 / Beryllium (Be)	2.7753
四水八硼酸二鈉 / Disodium Octaborate Tetrahydrate	硼 / Boron (B)	4.77
五氧化二銻 / Antimony Pentaoxide (Sb_2O_5)	銻 / Antimony (Sb)	1.3285
二氧化矽 / Silicon dioxide (SiO_2)	矽 / Silicon (Si)	2.1394
氧化鈉 / Sodium oxide (Na_2O)	鈉 / Sodium (Na)	1.348
三氧化二鉍 / Bismuth trioxide (Bi_2O_3)	鉍 / Bismuth (Bi)	1.1148
氧化鋅 / Zinc oxide (ZnO)	鋅 / Zinc (Zn)	1.2447
三氧化二鋁 / Aluminium oxide	鋁 / Aluminum (Al)	1.8895
二丁基錫氫硼烷 / Dibutyltin hydrogen borate (DBB)	二丁基錫 / Dibutyl Tin (DBT)	1.246
二月桂酸二丁基錫 / Dibutyltin dilaurate (DBD)		2.688
二丁基錫氧化物 / Dibutyl Tin Oxide (DBTO)		1.0595
二辛基二新癸酰氧錫 / Dioctyltin dineodecanoate (DOD)	二辛基錫 / Dioctyl Tin (DOT)	1.9808
氧化二辛基錫 / Dioctyltin oxide (DOTO)		1.0288

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AX	A	F
氧化鉍 / Bismuth monoxide (BiO)	鉍 / Bismuth (Bi)	1.0766
二氧化鈦 (TiO ₂)	鈦 / Titanium (Ti)	1.6685
磷酸鉛 / Lead phosphate (CAS No.: 7446-27-7)	鉛 / Lead (Pb)	1.3056
	磷 / Phosphorus (P)	13.1005
碳酸鋰/Lithium carbonate (CAS No.: 554-13-2)	鋰 / Lithium (Li)	5.3063
硫酸鈹 / Beryllium sulfate	鈹 / Beryllium (Be)	11.6595
氧化鈷 / Cobalt oxide	鈷 / Cobalt (Co)	1.2715
氧化鎳 / Nickel oxide (CAS No.: 1313-99-1)	鎳 / Nickel (Ni)	1.2726
碳酸鎳 / Nickel carbonate (CAS No.: 3333-67-3)	鎳 / Nickel (Ni)	2.0224
二氯化鈷 / Cobalt dichloride (CAS No.: 7646-79-9)	鈷 / Cobalt (Co)	2.2031
	氯 / Chlorine (Cl)	1.8312
硫酸鈷 / Cobalt Sulphate (CAS No.: 10124-43-3)	鈷 / Cobalt (Co)	2.6301
	硫 / Sulfur (S)	4.8335
磷化銦 / Indium Phosphide (CAS No.: 22398-80-7)	磷 / Phosphorus (P)	4.7069
	銦 / Indium (In)	1.2698
硫酸鎳 / Nickel Sulphate (CAS No.: 7786-81-4)	鎳 / Nickel (Ni)	2.6367
	硫 / Sulfur (S)	4.8260
氨基磺酸鎳 / Nickel Sulfamate (CAS No.: 13770-89-3)	鎳 / Nickel (Ni)	4.2743
	硫 / Sulfur (S)	15.6464
Pigment Black 25* (CAS No.: 68186-89-0)	鈷 / Cobalt (Co)	2.2727
	鎳 / Nickel (Ni)	2.2727
Pigment Red 104* (CAS No.: 12656-85-8)	鉛 / Lead (Pb)	1.6949
	鉻 / Chromium (Cr)	8.3333
	六價鉻 / Cr(VI)	8.3333
	鉬 / Molybdenum (Mo)	83.3333
Pigment Yellow 157* (CAS No.: 68610-24-2)	鋇 / Barium (Ba)	4.7619
	鎳 / Nickel (Ni)	16.9492
	鈦 / Titanium (Ti)	2.439
Pigment Yellow 34* (CAS No.: 1344-37-2)	鉛 / Lead (Pb)	1.5625
	鉻 / Chromium (Cr)	9.0909
	六價鉻 / Cr(VI)	9.0909
六水合硫酸鎳 / Nickel(II) sulfate hexahydrate (CAS No.: 10101-97-0)	鎳 / Nickel (Ni)	4.4784
	硫 / Sulfur (S)	8.1968
七水合硫酸鎳 / Nickel(II) sulfate heptahydrate (CAS No.: 10101-98-1)	鎳 / Nickel (Ni)	4.7853
	硫 / Sulfur (S)	8.7586
丙酸苯汞 / Phenylmercury propionate (CAS No.: 103-27-5)	汞 / Mercury (Hg)	1.7487
辛酸苯汞 / Phenylmercury octanoate (CAS No.: 13864-38-5)		2.0983
異辛酸苯汞 / Phenylmercury 2-ethylhexanoate (CAS No.: 13302-00-6)		2.0983
新癸酸苯汞 / Phenylmercury neodecanoate (CAS No.: 26545-49-3)		2.2381
醋酸苯汞 / Phenylmercury acetate (CAS No.: 62-38-4)		1.6787
氫氧化鋁 Aluminium(III) hydroxide (CAS No.: 21645-51-2)	鋁 / Aluminum (Al)	2.891
全氟丁基磺酸鉀 / PFBS-K (CAS No.: 29420-49-3)	全氟丁磺酸 / PFBS	1.1269
全氟辛酸鈉 / PFOA-Na (CAS No.: 335-95-5)	全氟辛酸 / PFOA	1.053

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AX	A	F
全氟辛酸鉀 / PFOA-K (CAS No.: 2395-00-8)	全氟辛酸 / PFOA	1.092
全氟辛酸銀 / PFOA-Ag (CAS No.: 335-93-3)	全氟辛酸 / PFOA	1.258
全氟辛氟 / PFOA-F (CAS No.: 335-66-0)	全氟辛酸 / PFOA	1.005
全氟己基磺酸鈉 / PFHxS-Na (CAS No.: 82382-12-15)	全氟己基磺酸 / PFHxS	1.057
全氟己基磺酸鉀 / PFHxS-K (CAS No.: 3871-99-6)	全氟己基磺酸 / PFHxS	1.095
全氟壬酸鈉 / PFNA-Na (CAS No.: 21049-39-8)	全氟壬酸 / PFNA	1.05
全氟壬酸鉍 / APFN (CAS No.: 4149-60-4)	全氟壬酸 / PFNA	1.039
全氟庚基磺酸鈉 / PFHpS-Na (CAS No.: 68555-66-8)	全氟庚基磺酸 / PFHpS	1.051
全氟癸酸鈉 / PFDA-Na (CAS No.: 3830-45-3)	全氟癸酸 / PFDA	1.043
全氟癸酸氨 / APFDA (CAS No.: 3108-42-7)	全氟癸酸 / PFDA	1.033
全氟辛基磺醯氟 / POSF (CAS No.: 307-35-7)	全氟辛烷磺酸 / PFOS	1.004
全氟辛基磺酸鉀 / PFOS-K (CAS No.: 2795-39-3)	全氟辛烷磺酸 / PFOS	1.0762
全氟辛基磺酸鉍 / PFOS-NH4 (CAS No.: 29081-56-9)	全氟辛烷磺酸 / PFOS	1.034
全氟辛基磺酸二癸二甲基鉍 / PFOS-DDA (CAS No.: 251099-16-8)	全氟辛烷磺酸 / PFOS	1.651
全氟辛基磺酸二乙醇鉍 / PFOS-NH(OH)2 (CAS No.: 70225-14-8)	全氟辛烷磺酸 / PFOS	1.21
全氟辛基磺酸鋰 / PFOS-Li (CAS No.: 29457-72-5)	全氟辛烷磺酸 / PFOS	1.012
全氟辛基磺酸四乙基鉍 / PFOS-N(C2H5)4 (CAS No.: 56773-42-3)	全氟辛烷磺酸 / PFOS	1.258
全氟癸烷磺酸鈉 / PFDS-Na (CAS No.: 2806-15-7)	全氟癸烷磺酸 / PFDS	1.038
全氟癸烷磺酸鉀 / PFDS-K (CAS No.: 2806-16-8)	全氟癸烷磺酸 / PFDS	1.065
全氟癸基磺酸鉍 / PFDS-NH4 (CAS No.: 67906-42-7)	全氟癸烷磺酸 / PFDS	1.028