



Declaration to Free from EU REACH:SVHC
EU REACH:SVHC(高關注物質)宣告書

本公司- 通泰積體電路股份有限公司 保證：所有提供之產品包含任何零組件、半成品、成品、原物料及包裝材料等，均符合EU REACH法規中SVHC(高關注物質)的251項有害物質限令。

Our Company - **Tontek Design Technology LTD** warrants : Our all products, including (but not limited to) components, semi-finished products, finished products, raw materials and packaging materials , don't contain the 251 harmful materials listed in EU REACH: SVHC.

序號	參考中文名稱*	英文名稱	EC 號碼	CAS 號碼	限值
1	鄰苯二甲酸二(2-乙基己基)酯	Bis (2-ethylhexyl)phthalate (DEHP)	204-211-0	117-81-7	< 1000ppm
2	五氧化二砷	Diarsenic pentaoxide	215-116-9	1303-28-2	< 1000ppm
3	六溴環十二烷	Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified: Alpha-hexabromocyclododecane Beta-hexabromocyclododecane Gamma-hexabromocyclododecane	247-148-4 and 221-695-9	25637-99-4	< 1000ppm
				3194-55-6	
				134237-50-6	
				134237-51-7	
				134237-52-8	
4	鄰苯二甲酸丁酯苯甲酯	Benzyl butyl phthalate (BBP)	201-622-7	85-68-7	< 1000ppm
5	砷酸氫鉛	Lead hydrogen arsenate	232-064-2	7784-40-9	< 1000ppm
6	短鏈氯化石蠟	Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins)	287-476-5	85535-84-8	< 1000ppm
7	蔥	Anthracene	204-371-1	120-12-7	< 1000ppm
8	三氧化二砷	Diarsenic trioxide	215-481-4	1327-53-3	< 1000ppm
9	鄰苯二甲酸二丁酯	Dibutyl phthalate (DBP)	201-557-4	84-74-2	< 1000ppm
10	三乙基砷酸酯	Triethyl arsenate	427-700-2	15606-95-8	< 1000ppm
11	氧化三丁錫	Bis(tributyltin)oxide (TBTO)	200-268-0	56-35-9	< 1000ppm
12	4,4' -二氨基二苯甲烷	4,4'-Diaminodiphenylmethane (MDA)	202-974-4	101-77-9	< 1000ppm
13	5-叔丁基-2,4,6-三硝基間二甲苯	5-tert-butyl-2,4,6-trinitro-m-xylene (musk xylene)	201-329-4	81-15-2	< 1000ppm
14	重鉻酸鈉·二倍結晶水	Sodium dichromate	234-190-3	7789-12-0	< 1000ppm
				10588-01-9	
15	蔥油蔥糊	Anthracene oil, anthracene paste	292-603-2	90640-81-6	< 1000ppm
16	鄰苯二甲酸二異丁酯	Diisobutyl phthalate (DIBP)	201-553-2	84-69-5	< 1000ppm
17	蔥油,蔥糊,輕油	Anthracene oil, anthracene paste, distn. lights	295-278-5	91995-17-4	< 1000ppm
18	黃色硫化鉻酸鉛 (C.I.黃色 34)	Lead sulfochromate yellow (C.I. Pigment Yellow 34)	215-693-7	1344-37-2	< 1000ppm
19	煤瀝青,高溫	Pitch, coal tar, high temperature	266-028-2	65996-93-2	< 1000ppm

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20	氧化鋯矽酸鋁陶瓷耐火纖維	Zirconia Aluminosilicate Refractory Ceramic Fibres are fibres covered by index number 650-017-00-8 in Annex VI, part 3, table 3.1 of Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, and fulfil the three following conditions: a) oxides of aluminium, silicon and zirconium are the main components present (in the fibres) within variable concentration ranges b) fibres have a length weighted geometric mean diameter less two standard geometric errors of 6 or less micrometres (µm). c) alkaline oxide and alkali earth oxide (Na ₂ O+K ₂ O+CaO+MgO+BaO) content less or equal to 18% by weight	由 650-017-00-8 選取而得	----	< 1000ppm
21	矽酸鋁陶瓷耐火纖維	Aluminosilicate Refractory Ceramic Fibres are fibres covered by index number 650-017-00-8 in Annex VI, part 3, table 3.1 of Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, and fulfil the three following conditions: a) oxides of aluminium and silicon are the main components present (in the fibres) within variable concentration ranges b) fibres have a length weighted geometric mean diameter less two standard geometric errors of 6 or less micrometres (µm) c) alkaline oxide and alkali earth oxide (Na ₂ O+K ₂ O+CaO+MgO+BaO) content less or equal to 18% by weight	由 650-017-00-8 選取而得	----	< 1000ppm
22	蔥油	Anthracene oil	292-602-7	90640-80-5	< 1000ppm
23	蔥油, 蔥糊, 蔥餾分離液	Anthracene oil, anthracene paste, anthracene fraction	295-275-9	91995-15-2	< 1000ppm
24	三 2-(氯乙基)磷酸酯	Tris(2-chloroethyl)phosphate	204-118-5	115-96-8	< 1000ppm
25	2,4-二硝基甲苯	2,4-Dinitrotoluene	204-450-0	121-14-2	< 1000ppm
26	蔥油, 含蔥量少	Anthracene oil, anthracene-low	292-604-8	90640-82-7	< 1000ppm
27	鉻酸鉛	Lead chromate	231-846-0	7758-97-6	< 1000ppm
28	紅色鉬鉻酸鉛硫酸鹽 (C.I.紅色 104)***	Lead chromate molybdate sulphate red (C.I. Pigment Red 104)	235-759-9	12656-85-8	< 1000ppm
29	丙烯醯胺	Acrylamide	201-173-7	1979/6/1	< 1000ppm
30	硼酸	Boric acid	233-139-2	10043-35-3	< 1000ppm
			234-343-4	11113-50-1	
31	鉻酸鉀	Potassium chromate	232-140-5	7789-00-6	< 1000ppm
32	鉻酸鈉	Sodium chromate	231-889-5	7775/11/3	< 1000ppm
33	三氯乙烯	Trichloroethylene	201-167-4	1979/1/6	< 1000ppm
34	重鉻酸銨	Ammonium dichromate	232-143-1	7789/9/5	< 1000ppm
35	重鉻酸鉀	Potassium dichromate	231-906-6	7778-50-9	< 1000ppm
36	水合七氧四硼酸二鈉	Tetraboron disodium heptaoxide, hydrate	235-541-3	12267-73-1	< 1000ppm

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37	無水四硼酸二鈉	Disodium tetraborate, anhydrous	215-540-4	1303-96-4	< 1000ppm
				1330-43-4	
				12179-04-3	
38	乙二醇乙醚	2-Ethoxyethanol	203-804-1	110-80-5	< 1000ppm
39	硫酸鈷 (二價)	Cobalt(II) sulphate	233-334-2	10124-43-3	< 1000ppm
40	硝酸鈷 (二價)	Cobalt(II) dinitrate	233-402-1	10141-05-6	< 1000ppm
41	三氧化鉻	Chromium trioxide	215-607-8	1333-82-0	< 1000ppm
42	乙二醇甲醚	2-Methoxyethanol	203-713-7	109-86-4	< 1000ppm
43	醋酸鈷 (二價)	Cobalt(II) diacetate	200-755-8	71-48-7	< 1000ppm
44	碳酸鈷 (二價)	Cobalt(II) carbonate	208-169-4	513-79-1	< 1000ppm
45	從三氧化鉻生成的酸類與其它寡體:	Acids generated from chromium trioxide and their oligomers. Names of the acids and their oligomers: Chromic acid, Dichromic acid, Oligomers of chromic acid and dichromic acid.			< 1000ppm
	鉻酸	Chromic acid	231-801-5	7738-94-5	
	重鉻酸	Dichromic acid	236-881-5	13530-68-2	
	鉻酸與重鉻酸的其它寡體	Oligomers of chromic acid and dichromic acid			
46	鄰苯二甲酸二-C6-8-支鏈庚酯	1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters,	276-158-1	71888-89-6	< 1000ppm
47	乙二醇乙醚醋酸酯	2-Ethoxyethyl acetate	203-839-2	111-15-9	< 1000ppm
48	鉻酸鋇	Strontium chromate	232-142-6	7789/6/2	< 1000ppm
49	聯胺或水合聯胺	Hydrazine	206-114-9	7803-57-8	< 1000ppm
				302-01-2	
50	1-甲基吡咯烷酮	1-Methyl-2-pyrrolidone	212-828-1	872-50-4	< 1000ppm
51	鄰苯二甲酸二(C7-11 支鏈與直鏈)烷基酯	1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters(DHNUP)	271-084-6	68515-42-4	< 1000ppm
52	1,2,3-三氯丙烷	1,2,3-Trichloropropane	202-486-1	96-18-4	< 1000ppm
53	氯化鈷	Cobalt dichloride	231-589-4	7646-79-9	< 1000ppm
54	鉻酸鉻	Dichromium tris(chromate)	246-356-2	24613-89-6	< 1000ppm
55	酚酞	Phenolphthalein	201-004-7	77-09-8	< 1000ppm
56	4,4'-亞甲雙(2-氯苯胺) 或稱 2,2'-二氯-4,4'-亞甲基二苯胺	2,2'-dichloro-4,4'-methylenedianiline(MOCA)	202-918-9	101-14-4	< 1000ppm
57	史蒂芬酸鉛 或稱 2,4,6-三硝基間苯二酚鉛	Lead styphnate	239-290-0	15245-44-0	< 1000ppm
58	疊氮化鉛	Lead azide	236-542-1	13424-46-9	< 1000ppm
		Lead diazide (兩者在官網是用“,” 分隔)			
59	鄰苯二甲酸二(2-甲氧基乙)酯	Bis(2-methoxyethyl) phthalate	204-212-6	117-82-8	< 1000ppm
60	甲醛與苯胺寡聚反應的產物(工業級 MDA)	Formaldehyde, oligomeric reaction products with aniline (technical MDA)	500-036-1	25214-70-4	< 1000ppm
61	4-三級辛基苯酚	4-(1,1,1,3,3-tetramethylbutyl)phenol	205-426-2	140-66-9	< 1000ppm
62	鉻酸五錳八氫氧化物	Pentazinc chromate octahydroxide	256-418-0	49663-84-5	< 1000ppm
63	1,2-二氯乙烷	1,2-dichloroethane	203-458-1	107-06-2	< 1000ppm
64	砷酸鉛	Trilead diarsenate	222-979-5	3687-31-8	< 1000ppm
65	鄰-甲氧苯胺	2-Methoxyaniline; o-Anisidine	201-963-1	90-04-0	< 1000ppm
66	砷酸	Arsenic acid	231-901-9	7778-39-4	< 1000ppm
67	N,N-二甲基乙酰胺	N,N-dimethylacetamide (DMAC)	204-826-4	127-19-5	< 1000ppm
68	二苦味酸鉛	Lead dipicrate	229-335-2	6477-64-1	< 1000ppm

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69	氫氧化鉻酸鋅鉀	Potassium hydroxyoctaoxodizincatedichromate	234-329-8	11103-86-9	<1000ppm
70	二乙二醇二甲醚	Bis(2-methoxyethyl) ether	203-924-4	111-96-6	<1000ppm
71	砷酸鈣	Calcium arsenate	231-904-5	7778-44-1	<1000ppm
72	三乙二醇二甲醚	1,2-bis(2-methoxyethoxy)ethane (TEGDME; triglyme)	203-977-3	112-49-2	<1000ppm
73	乙二醇二甲醚	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	203-794-9	110-71-4	<1000ppm
74	氧化硼	Diboron trioxide	215-125-8	1303-86-2	<1000ppm
75	甲醯胺	Formamide	200-842-0	1975/12/7	<1000ppm
76	甲基磺酸鉛	Lead(II) bis(methanesulfonate)	401-750-5	17570-76-2	<1000ppm
77	異氰尿酸三縮水甘油酯	1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazinane-2,4,6-trione (TGIC)	219-514-3	2451-62-9	<1000ppm
78	β型異氰尿酸三縮水甘油酯	1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione (β-TGIC)	423-400-0	59653-74-6	<1000ppm
79	4,4'-二(N,N-二甲胺基)二苯基酮(米其勒酮)	4,4'-bis(dimethylamino)benzophenone (Michler's ketone)	202-027-5	90-94-8	<1000ppm
80	4,4'-亞甲基雙(N,N-二甲胺基)(米其勒鹼)	N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base)	202-959-2	101-61-1	<1000ppm
81	鹼性紫 3	[4-[4,4'-bis(dimethylamino)benzhydrylidene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (C.I. Basic Violet 3)	208-953-6	548-62-9	<1000ppm
82	C.I. 鹼性藍 26 ([4-[4-苯胺基-1-萘基][4-(二甲基胺基)苯基]亞甲基]環己-2,5-二烯-1-亞基)二甲基氯化銨	[4-[4-anilino-1-naphthyl][4-(dimethylamino)phenyl]methylene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (C.I. Basic Blue 26)	219-943-6	2580-56-5	<1000ppm
83	C.I. 溶劑藍 4 α,α-雙[4-(二甲基胺基)苯基]-4-(苯基胺基)-1-萘甲醇	α,α-Bis[4-(dimethylamino)phenyl]-4(phenylamino)naphthalene-1-methanol (C.I. Solvent Blue 4)	229-851-8	6786-83-0	<1000ppm
84	4,4'-雙(二甲基胺基)-4''-(甲基胺基)三苯基醇(ECHA 官網上沒有 C.I. solvent violet 8 的寫法)	4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol	209-218-2	561-41-1	<1000ppm
85	燒綠石銻鉛黃	Pyrochlore, antimony lead yellow	232-382-1	8012-00-8	<1000ppm
86	6-甲氧基-間-甲苯胺	6-methoxy-m-toluidine (p-cresidine)	204-419-1	120-71-8	<1000ppm
87	全氟十一酸	Henicosfluoroundecanoic acid	218-165-4	2058-94-8	<1000ppm
88	甲基六氫鄰苯二甲酐, 4-甲基 六氫鄰苯二甲酐, 1-甲基六氫 鄰苯二甲酐, 3-甲基六氫鄰苯 二甲酐	Hexahydromethylphthalic anhydride, Hexahydro-4-methylphthalic anhydride, Hexahydro-1-methylphthalic anhydride, Hexahydro-3-methylphthalic anhydride [The individual isomers [2], [3] and [4] (including their cis- and trans- stereo isomeric forms) and all possible combinations of the isomers [1] are covered by this entry]	247-094-1 243-072-0, 256-356-4 260-566-1	25550-51-0, 19438-60-9, 48122-14-1, 57110-29-9	<1000ppm
89	六氫鄰苯二甲酐 六氫酞酸酐順 1,2-環己二甲酸酐	Cyclohexane-1,2-dicarboxylic anhydride (Hexahydrophthalic anhydride - HHPA)[1]cis-cyclohexane-1,2-dicarboxylic anhydride [2],trans-cyclohexane-1,2-dicarboxylic anhydride [3] [The individual cis- [2] and trans- [3] isomer substances and all possible combinations of the cis- and trans-isomers [1] are covered by this entry]	201-604-9 236-086-3 238-009-9	85-42-7 13149-00-3, 14166-21-3	<1000ppm
90	二氯化二丁錫	Dibutyltin dichloride (DBTC)	211-670-0	683-18-1	<1000ppm

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91	二(四氟硼酸)鉛	Lead bis(tetrafluoroborate)	237-486-0	13814-96-5	< 1000ppm
92	硝酸鉛	Lead dinitrate	233-245-9	10099-74-8	< 1000ppm
93	矽酸鉛	Silicic acid, lead salt	234-363-3	11120-22-2	< 1000ppm
94	4-胺基偶氮苯	4-Aminoazobenzene	200-453-6	1960/9/3	< 1000ppm
95	鉛鈦鉛氧化物	Lead titanium zirconium oxide	235-727-4	12626-81-2	< 1000ppm
96	一氧化鉛	Lead monoxide (lead oxide)	215-267-0	1317-36-8	< 1000ppm
97	鄰-甲苯胺	o-Toluidine	202-429-0	95-53-4	< 1000ppm
98	3-乙基-2-甲基-2-(3-甲丁基)-1,3-【口罈】唑	3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine	421-150-7	143860-04-2	< 1000ppm
99	摻雜鉛的矽酸鋇	Silicic acid (H ₂ Si ₂ O ₅), barium salt (1:1), lead-doped [with lead (Pb) content above the applicable generic concentration limit for ' toxicity for reproduction' Repr. 1A (CLP) or category 1 (DSD); the substance is a member of the group entry of lead compounds, with index number 082- 001-00-6 in Regulation (EC) No 1272/2008]	272-271-5	68784-75-8	< 1000ppm
100	鹼式碳酸鉛	Trilead bis(carbonate)dihydroxide	215-290-6	1319-46-6	< 1000ppm
101	呋喃	Furan	203-727-3	110-00-9	< 1000ppm
102	二甲基甲醯胺	N,N-dimethylformamide	200-679-5	1968/12/2	< 1000ppm
103	乙氧化 4-(1,1,3,3-四甲基丁基)苯酚 涵蓋明確定義物質及 UVCB 物質、聚合物及同系物	4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated [covering well-defined substances and UVCB substances, polymers and homologues]	---	---	< 1000ppm
104	支鏈和直鏈-4-壬基酚, 有烷基直鏈及/或支鏈以 9 個碳共價於酚的對位, 涵蓋所有由單一或多種異構物組合的明確定義物質及 UVCB 物質	4-Nonylphenol, branched and linear [substances with a linear and/or branched alkyl chain with a carbon number of 9 covalently bound in position 4 to phenol, covering also UVCB- and well-defined substances which include any of the individual isomers or a combination thereof]	---	---	< 1000ppm
105	4,4'-亞甲基二-鄰-甲苯胺	4,4'-methylenedi-o-toluidine	212-658-8	838-88-0	< 1000ppm
106	硫酸二乙酯	Diethyl sulphate	200-589-6	64-67-5	< 1000ppm
107	硫酸二甲酯	Dimethyl sulphate	201-058-1	77-78-1	< 1000ppm
108	鹼式硫酸鉛	Lead oxide sulfate	234-853-7	12036-76-9	< 1000ppm
109	鈦酸鉛(II)	Lead titanium trioxide	235-038-9	12060-00-3	< 1000ppm
110	鹼式乙酸鉛	Acetic acid, lead salt, basic	257-175-3	51404-69-4	< 1000ppm
111	二鹼式鄰苯二甲酸鉛	[Phthalato(2-)]dioxotrilead	273-688-5	69011-06-9	< 1000ppm
112	十溴二苯醚	Bis(pentabromophenyl) ether (decabromodiphenyl ether; DecaBDE)	214-604-9	1163-19-5	< 1000ppm
113	N-甲基乙醯胺	N-methylacetamide	201-182-6	79-16-3	< 1000ppm
114	達諾殺	Dinoseb (6-sec-butyl-2,4-dinitrophenol)	201-861-7	88-85-7	< 1000ppm
115	乙二醇二乙醚	1,2-Diethoxyethane	211-076-1	629-14-1	< 1000ppm
116	三鹼式硫酸鉛	Tetralead trioxide sulphate	235-380-9	12202-17-4	< 1000ppm
117	鄰苯二甲酸正戊基異戊基酯	N-pentyl-isopentylphthalate	-	776297-69-9	< 1000ppm
118	雙(十八酸基)二氧三鉛	Dioxobis(stearato)trilead	235-702-8	12578-12-0	< 1000ppm
119	四乙基鉛	Tetraethyllead	201-075-4	78-00-2	< 1000ppm
120	硫酸四氧化五鉛	Pentalead tetraoxide sulphate	235-067-7	12065-90-6	< 1000ppm
121	全氟十三酸	Pentacosfluorotridecanoic acid	276-745-2	72629-94-8	< 1000ppm
122	全氟十二酸	Tricosfluorododecanoic acid	206-203-2	307-55-1	< 1000ppm

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123	全氟十四酸	Heptacosfluorotetradecanoic acid	206-803-4	376-06-7	< 1000ppm
124	1-溴丙烷	1-bromopropane (n-propyl bromide)	203-445-0	106-94-5	< 1000ppm
125	甲氧基乙酸	Methoxyacetic acid	210-894-6	625-45-6	< 1000ppm
126	4-甲基-間-苯二胺 (2,4-二胺基甲苯)	4-methyl-m-phenylenediamine (toluene-2,4-diamine)	202-453-1	95-80-7	< 1000ppm
127	環氧丙烷	Methyloxirane (Propylene oxide)	200-879-2	75-56-9	< 1000ppm
128	二鹼式亞磷酸鉛	Trilead dioxide phosphonate	235-252-2	12141-20-7	< 1000ppm
129	鄰-胺基偶氮甲苯	o-aminoazotoluene	202-591-2	97-56-3	< 1000ppm
130	支鏈和直鏈1,2-苯二甲酸二戊酯	1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	284-032-2	84777-06-0	< 1000ppm
131	4,4'-氧二苯胺及其鹽類	4,4'-oxydianiline and its salts	202-977-0	101-80-4	< 1000ppm
132	四氧化三鉛(鉛丹)	orange lead (Lead tetroxide)	215-235-6	1314-41-6	< 1000ppm
133	4-胺基聯苯	Biphenyl-4-ylamine	202-177-1	92-67-1	< 1000ppm
134	鄰苯二甲酸二異戊酯	Diisopentylphthalate	210-088-4	605-50-5	< 1000ppm
135	C16-18-脂肪酸鉛鹽	Fatty acids, C16-18, lead salts	292-966-7	91031-62-8	< 1000ppm
136	1,1'-偶氮雙甲醯胺	Diazene-1,2-dicarboxamide (C,C'-azodi(formamide))	204-650-8	123-77-3	< 1000ppm
137	亞硫酸鉛	Sulfurous acid, lead salt, dibasic	263-467-1	62229-08-7	< 1000ppm
138	氰胺化鉛	Lead cyanamidate	244-073-9	20837-86-9	< 1000ppm
139	鎘	Cadmium	231-152-8	7440-43-9	< 1000ppm
140	氧化鎘	Cadmium oxide	215-146-2	1306-19-0	< 1000ppm
141	全氟辛酸銨	Ammonium pentadecafluorooctanoate (APFO)	223-320-4	3825-26-1	< 1000ppm
142	全氟辛酸	Pentadecafluorooctanoic acid (PFOA)	206-397-9	335-67-1	< 1000ppm
143	鄰苯二甲酸二戊酯	Dipentyl phthalate (DPP)	205-017-9	131-18-0	< 1000ppm
144	分支或線性的壬酚，包括含有9個碳 烷基鏈的所有獨立的同分異構物和所有 含有線性或9個碳烷基鏈的 UVCB 物 質	4-Nonylphenol, branched and linear, ethoxylated [substances with a linear and/or branched alkyl chain with a carbon number of 9 covalently bound in position 4 to phenol, ethoxylated covering UVCB- and well- defined substances, polymers and homologues, which include any of the individual isomers and/or combinations thereof]	---	---	< 1000ppm
145	硫化鎘	Cadmium sulphide	215-147-8	1306-23-6	< 1000ppm
146	磷苯二甲酸二己酯	Dihexyl phthalate	201-559-5	84-75-3	< 1000ppm
147	直接紅 28	Disodium 3,3'-[[1,1'-biphenyl]-4,4'- diylbis(azo)]bis(4-aminonaphthalene-1- sulphonate) (C.I. Direct Red 28)	209-358-4	573-58-0	< 1000ppm
148	直接黑 38	Disodium 4-amino-3'-[[4'-[(2,4- diaminophenyl)azo][1,1'-biphenyl]-4- yl]azo] -5-hydroxy-6- (phenylazo)naphthalene-2,7- disulphonate (C.I. Direct Black 38)	217-710-3	1937-37-7	< 1000ppm
149	伸乙硫脲 (咪唑啉-2-硫酮)	Imidazolidine-2-thione; 2-imidazoline-2-thiol	202-506-9	96-45-7	< 1000ppm
150	醋酸鉛	Lead di(acetate)	206-104-4	301-04-2	< 1000ppm
151	磷酸三(二甲苯)酯	Trixylyl phosphate	246-677-8	25155-23-1	< 1000ppm
152	氯化鎘	Cadmium chloride	233-296-7	10108-64-2	< 1000ppm
153	支鏈和直鏈的1,2-苯二甲酸二己酯	1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	271-093-5	68515-50-4	< 1000ppm
154	過硼酸鈉	Sodium peroxometaborate	231-556-4	7632/4/4	< 1000ppm

序號	參考中文名稱*	英文名稱	EC 號碼	CAS 號碼	限值
155	過硼酸鈉	Sodium perborate; perboric acid, sodium salt	239-172-9 234-390-0	---	< 1000ppm
156	氟化鎘	Cadmium fluoride	232-222-0	7790-79-6	< 1000ppm
157	硫酸鎘	Cadmium sulphate	233-331-6	10124-36-4, 31119-53-6	< 1000ppm
158	2-苯并三唑-2-基-4,6-二-三級-丁基苯酚 (UV-320)	2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)	223-346-6	3846-71-7	< 1000ppm
159	2-(2H-苯并三唑-2-基)-4,6-二-三級戊基苯酚 (UV-328)	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	247-384-8	25973-55-1	< 1000ppm
160	10-乙基-4,4-二辛基-7-側氧-8-氧代-3,5-二硫代-4-錫代十四酸2-乙基己酯 (DOTE)	2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE)	239-622-4	15571-58-1	< 1000ppm
161	10-乙基-4,4-二辛基-7-氧-8-氧代-3,5-二硫代-4-錫代十四酸 2-乙基己酯和 10-乙基-4-[[2-[(2-乙基己基)氧]-2-氧乙基]硫代]-4-辛基-7-氧-8-氧代-3,5-二硫代-4-錫代十四酸 2-乙基己酯的反應產物 (DOTE 和 MOTE 的反應產物)	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)	---	---	< 1000ppm
162	1,2-苯二甲酸二 C6-10 烷基酯；1,2-苯二甲酸混合癸與己和辛二酯，包含≥ 0.3%的鄰苯二甲酸二己酯(DNHP，EC No. 201-559-5，CAS No. 84-75-3)	1,2-benzenedicarboxylic acid, di-C6-10- alkyl esters; 1,2-benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters with ≥ 0.3% of dihexyl phthalate (EC No. 201-559-5)	271-094-0 272-013-1	68515-51-5 68648-93-1	< 1000ppm
163	包含以下[1]與[2]之所有單獨立體異構物與其組成。[1] 5-二級丁基-2-(2,4-二甲基環己-3-烯-1-基)-5-甲基-1,3-二【口喙】【口束】 [2]5-二級丁基-2-(4,6-二甲基環己-3-烯-1-基)-5-甲基-1,3-二	5-sec-butyl-2-(2,4-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [1], 5-sec-butyl-2-(4,6-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [2] [covering any of the individual stereoisomers of [1] and [2] or any combination thereof]	---	---	< 1000ppm
164	硝基苯	Nitrobenzene	202-716-0	98-95-3	< 1000ppm
165	2,4-二-叔丁基-6-(5-氯代苯并三唑-2-基)苯酚	2,4-Di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol(UV-327)	223-383-8	3846-99-1	< 1000ppm
166	2-(2H-苯并三唑-2-基)-4-(叔丁基)-6-(仲丁基)苯酚	2-(2H-Benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol(UV-350)	253-037-1	36437-37-3	< 1000ppm
167	1,3-丙烷磺內酯	1,3-Propanesultone	214-317-9	1120-71-4	< 1000ppm
168	全氟壬酸及其鈉鹽和銨鹽	Perfluorononan-1-oic-acid and its sodium and ammonium salt	206-801-3	375-95-1	< 1000ppm
169	苯并(a)芘	Benzo [def]chrysene (Benzo[a]pyrene)	200-028-5	50-32-8	< 1000ppm
170	雙酚 A	4,4'-isopropylidenediphenol	201-245-8	80-05-7	< 1000ppm
171	支鏈與直鏈 4-庚基苯酚 烷基直鏈及/或支鏈以 7 個碳共價於酚的對位，含蓋所有由單一或多種異構物組合的明確定義物質及 UVCB 物質	4-Heptylphenol, branched and linear substances with a linear and/or branched alkyl chain with a carbon number of 7 covalently bound predominantly in position 4 to phenol, covering also UVCB- and well-defined substances which include any of the individual isomers or a combination thereof	---	---	< 1000ppm

序號	參考中文名稱*	英文名稱	EC 號碼	CAS 號碼	限值
172	全氟癸酸，及其鈉與銨鹽 全氟癸酸銨 全氟癸酸鈉	Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts Ammonium nonadecafluorodecanoate Decanoic acid, nonadecafluoro-, sodium salt	206-400-3 221-470-5	335-76-2 3108-42-7 3830-45-3	< 1000ppm
173	4-叔戊基苯酚	p-(1,1-dimethylpropyl)phenol	201-280-9	80-46-6	< 1000ppm
174	全氟己基磺酸及其鹽類	Perfluorohexane-1-sulphonic acid and its salts (PFHxS)	---	---	< 1000ppm
175	1,6,7,8,9,14,15,16,17,17,18,18-十二氯五環 [12.2.1.16,9.02,13.05,10]十八碳-7,15-二烯 (“Dechlorane Plus” TM) [含有其任何單獨的反式和順式異構體或其任何組合]	1,6,7,8,9,14,15,16,17,17,18,18-Dodecachloropentacyclo[12.2.1.16,9.02,13.05,10]octadeca-7,15-diene (“Dechlorane Plus” TM) [covering any of its individual anti- and syn-isomers or any combination thereof]	---	---	< 1000ppm
176	苯并[a]蒽	Benz[a]anthracene	200-280-6	56-55-3	< 1000ppm
177	硝酸鎘	Cadmium nitrate	233-710-6	10325-94-7	< 1000ppm
178	碳酸鎘	Cadmium carbonate	208-168-9	513-78-0	< 1000ppm
179	氫氧化鎘	Cadmium hydroxide	244-168-5	21041-95-2	< 1000ppm
180	屈	Chrysene	205-923-4	218-01-9	< 1000ppm
181	1,3,4-噁二唑-2,5-二硫醇與甲醛和支鏈和直鏈 4-庚基酚的反應產物(RP-HP) [含有≥0.1%w/w 支鏈和直鏈的 4-庚基酚]	Reaction products of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and 4-heptylphenol, branched and linear (RP-HP) [with ≥ 0.1% w/w 4-heptylphenol, branched and linear]	---	---	< 1000ppm
182	偏苯三酸酐(TMA)	Benzene-1,2,4-tricarboxylic acid 1,2 anhydride (trimellitic anhydride; TMA)	209-008-0	552-30-7	< 1000ppm
183	苯並[G,H,I]芘	Benzo[ghi]perylene	205-883-8	191-24-2	< 1000ppm
184	十甲基環戊矽氧烷(D5)	Decamethylcyclopentasiloxane (D5)	208-764-9	541-02-6	< 1000ppm
185	鄰苯二甲酸二環己酯 (DCHP)	Dicyclohexyl phthalate (DCHP)	201-545-9	84-61-7	< 1000ppm
186	四水八硼酸二鈉	Disodium octaborate	234-541-0	12008-41-2	< 1000ppm
187	十二甲基環己矽氧烷(D6)	Dodecamethylcyclohexasiloxane (D6)	208-762-8	540-97-6	< 1000ppm
188	乙二胺(EDA)	Ethylenediamine (EDA)	203-468-6	107-15-3	< 1000ppm
189	鉛	Lead	231-100-4	7439-92-1	< 1000ppm
190	八甲基環四矽氧烷(D4)	Octamethylcyclotetrasiloxane (D4)	209-136-7	556-67-2	< 1000ppm
191	氫化三聯苯	Terphenyl, hydrogenated	262-967-7	61788-32-7	< 1000ppm
192	1,7,7-三甲基-3-(苯亞甲基)雙環[2.2.1]庚-2-酮 (3-亞苄基樟腦)	1,7,7-trimethyl-3-(phenylmethylene) bicyclo[2.2.1]heptan-2-one (3-benzylidene camphor)	239-139-9	15087-24-8	< 1000ppm
193	2,2-雙(4'-羥基)-4-甲基戊烷	2,2-bis(4'-hydroxyphenyl)-4-methylpentane	401-720-1	6807-17-6	< 1000ppm
194	苯并[k]1,2-苯并芘	Benzo[k]fluoranthene	205-916-6	207-08-9	< 1000ppm
195	1,2-苯并芘	Fluoranthene	205-912-4	206-44-0 93951-69-0	< 1000ppm
196	菲	Phenanthrene	201-581-5	85-01-8	< 1000ppm
197	芘	Pyrene	204-927-3	129-00-0 1718-52-1	< 1000ppm

序號	參考中文名稱*	英文名稱	EC 號碼	CAS 號碼	限值
198	2,3,3,3-四氟-2-(七氟丙氧基)丙酸、其鹽類及其醯基鹵化物 (包含其各自的異構體及其組合)	2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propionic acid, its salts and its acyl halides covering any of their individual isomers and combinations thereof	---	---	<1000ppm
199	2-甲氧基乙酸乙酯	2-methoxyethyl acetate	203-772-9	110-49-6	<1000ppm
200	4-叔丁基苯酚	4-tert-butylphenol	202-679-0	98-54-4	<1000ppm
201	參(支鍊和直鍊 4-壬基苯基)亞磷酸酯 (TNPP) · 含有≥0.1%w / w 的支鍊和直鍊 4-壬基酚 (4-NP)	Tris(4-nonylphenyl, branched and linear) phosphite (TNPP) with ≥ 0.1% w/w of 4-nonylphenol, branched and linear (4-NP)	-	-	<1000ppm
202	鄰苯二甲酸二異己酯	Diisohexyl phthalate	276-090-2	71850-09-4	<1000ppm
203	2-苄基-2-二甲胺基-4' -【口末】哌丁醯苯	2-benzyl-2-dimethylamino-4'-morpholinobutyrophenone	404-360-3	119313-12-1	<1000ppm
204	2-甲基-1-(4-甲基硫苯基)-2【口末】哌丙-1-酮	2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one	400-600-6	71868-10-5	<1000ppm
205	全氟丁烷磺酸及其鹽類	Perfluorobutane sulfonic acid (PFBS) and its salts	-	-	<1000ppm
206	1-乙烯基咪唑	1-vinylimidazole	214-012-0	1072-63-5	<1000ppm
207	2-甲基咪唑	2-methylimidazole	211-765-7	693-98-1	<1000ppm
208	4-羥基苯甲酸丁酯	butyl 4-hydroxybenzoate	202-318-7 9	94-26-8	<1000ppm
209	二丁基雙(2,4-戊二酮基)錫	Dibutylbis(pentane-2,4-dionatoO,O')tin	245-152-0	22673-19-4	<1000ppm
210	四乙二醇二甲醚	Bis(2-(2-methoxyethoxy)ethyl)ether	205-594-7	143-24-8	<1000ppm
211	二月桂酸二辛基錫, 錫烷, 二辛基-, 雙椰油醯氧基衍生物, 及其它錫烷, 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	---	---	<1000ppm
212	1,4-二氧陸圓	1,4-dioxane	204-661-8	123-91-1	<1001ppm
213	2,2-雙(溴甲基)-1,3-丙二醇 3-溴-2,2-雙(溴甲基)-1-丙醇 2,3-二溴-1-丙醇	2,2-bis(bromomethyl)propane-1,3-diol (BMP) 2,2-dimethylpropan-1-ol, tribromo derivative/3-bromo-2,2-bis(bromomethyl)-1-propanol (TBNPA) 2,3-dibromo-1-propanol (2,3-DBPA)	221-967-7 253-057-0 202-480-9	3296-90-0 36483-57-5 1522-92-5 96-13-9	<1002ppm
214	2-(4-叔丁基苄基)丙醛及其個別立體異構物	2-(4-tert-butylbenzyl)propionaldehyde and its individual stereoisomers	---	---	<1003ppm
215	雙酚B	4,4'-(1-methylpropylidene)bisphenol; (bisphenol B)	201-025-1	77-40-7	<1004ppm
216	戊二醛	Glutaral	203-856-5	111-30-8	<1005ppm
217	中鏈氯化石蠟[UVCB物質包含大於或等於80%的直鍊氯代烷烴, 碳鏈長度在C14至C17範圍內]	Medium-chain chlorinated paraffins (MCCP) [UVCB substances consisting of more than or equal to 80% linear chloroalkanes with carbon chain lengths within the range from C14 to C17]	---	---	<1006ppm
218	硼酸鈉鹽	Orthoboric acid, sodium salt	237-560-2	13840-56-7	<1007ppm

序號	參考中文名稱*	英文名稱	EC 號碼	CAS 號碼	限值
219	經由低聚合反應烷基化的苯酚產物(主要在對位位置)帶有12個碳的支鏈或直鏈，並涵蓋各種同分異構物及/或其各種組合	Phenol, alkylation products (mainly in para position) with C12-rich branched or linear alkyl chains from oligomerisation, covering any individual isomers and/ or combinations thereof (PDDP)	---	---	< 1008ppm
220	(±)-1,7,7-三甲基-3-[(4-甲基苯基)亞甲基]二環[2.2.1]庚烷-2-酮，包括各個異構體和/或其組合 (4-MBC)	(±)-1,7,7-trimethyl-3-[(4-methylphenyl)methylene]bicyclo[2.2.1]heptan-2-one covering any of the individual isomers and/or combinations thereof (4-MBC)	---	---	< 1000ppm
221	6,6'雙二叔丁基-2,2'-亞甲基雙對甲酚 (DBMC)	6,6'-di-tert-butyl-2,2'-methylene-di-p-cresol (DBMC)	204-327-1	119-47-1	< 1000ppm
222	硫-(三環[5.2.1.0' ^{2,6}]癸-3-烯-8(或9)-基)氧-(異丙基或異丁基或2-乙基己基)氧-(異丙基或異丁基或2-乙基己基)二硫代磷酸酯	S-(tricyclo[5.2.1.0' ^{2,6}]deca-3-en-8(or 9)-yl) O-(isopropyl or isobutyl or 2-ethylhexyl) O-(isopropyl or isobutyl or 2-ethylhexyl) phosphorodithioate	401-850-9	255881-94-8	< 1000ppm
223	三(2-甲氧基乙氧基)乙烯基矽烷	tris(2-methoxyethoxy)vinylsilane	213-934-0	1067-53-4	< 1000ppm
224	N-(羥甲基)丙烯醯胺	N-(hydroxymethyl)acrylamide	213-103-2	924-42-5	< 1000ppm
225	1,1'-[乙烷-1,2-二基雙氧基]雙[2,4,6-三溴苯]	1,1'-[ethane-1,2-diylbisoxo]bis[2,4,6-tribromobenzene]	253-692-3	37853-59-1	< 1000ppm
226	2,2',6,6'-四溴-4,4'-異亞丙基二苯酚	2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol	201-236-9	79-94-7	< 1000ppm
227	4,4'-磺醯基二苯酚	4,4'-sulphonyldiphenol	201-250-5	80-09-1	< 1000ppm
228	四氧化二硼銀	Barium diboron tetraoxide	237-222-4	13701-59-2	< 1000ppm
229	雙(2-乙基己基)四溴鄰苯二甲酸酯，包括任何單個異構體和/或其組合： 四溴鄰苯二甲酸雙(2-乙基己基)酯	bis(2-ethylhexyl) tetrabromophthalate covering any of the individual isomers and/or combinations thereof: Bis(2-ethylhexyl) tetrabromophthalate	247-426-5	26040-51-7	< 1000ppm
230	4-羥基苯甲酸異丁酯	Isobutyl 4-hydroxybenzoate	224-208-8	4247-02-3	< 1000ppm
231	三聚氰胺	Melamine	203-615-4	108-78-1	< 1000ppm
232	全氟庚酸及其鹽類 (含多筆物質，詳細列表請參考 ECHA SVHC 官網)	Perfluoroheptanoic acid and its salts: Sodium perfluoroheptanoate; Perfluoroheptanoic acid; potassium perfluoroheptanoate; Ammonium perfluoroheptanoate	243-518-4; 206-798-9; -; 228-098-2	20109-59-5; 375-85-9; 21049-36-5; 6130-43-4	< 1000ppm
233	2,2,3,3,5,5,6,6-八氟-4-(1,1,1,2,3,3,3-七氟丙-2-基)【口末】啉和 2,2,3,3,5,5,6,6-八氟-4-(七氟丙基)【口末】啉的反應物	reaction mass of 2,2,3,3,5,5,6,6-octafluoro-4-(1,1,1,2,3,3,3-heptafluoropropan-2-yl)morpholine and 2,2,3,3,5,5,6,6-octafluoro-4-(heptafluoropropyl)morpholine	473-390-7	---	< 1000ppm
234	二苯基(2,4,6-三甲基苯甲醯基)膦氧化物	Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide	278-355-8	75980-60-8	< 1000ppm
235	雙(4-氯苯基)磺	Bis(4-chlorophenyl) sulphone 2	201-247-9 8	80-07-9	< 1000ppm
236	2,4,6-參-三級-丁基苯酚	2,4,6-tri-tert-butylphenol	211-989-5	732-26-3	< 1000ppm
237	2-(2H-苯并三唑-2-基)-4-(1,1,3,3-四甲基丁基)苯酚	2-(2H-benzotriazol-2-yl)-4-(1,1,3,3-tetramethylbutyl)pheno	221-573-5	3147-75-9	< 1000ppm
238	2-(二甲胺基)-2-[(4-甲基苯基)甲基]-1-[4-(【口末】啉-4-基)苯基]丁-1-酮	2-(dimethylamino)-2-[(4-methylphenyl)methyl]-1-[4-(morpholin-4-yl)phenyl]butan-1-one	438-340-0	1193-44-86-4	< 1000ppm

序號	參考中文名稱*	英文名稱	EC 號碼	CAS 號碼	限值
239	布美三唑	Bumetrizole	223-445-4	3896-11-5	< 1000ppm
240	2-苯基丙烯與苯酚的寡聚和烷基化反應產物	Oligomerisation and alkylation reaction products of 2-phenylpropene and phenol	700-960-7	-	< 1000ppm
241	雙(α,α-二甲基苄基)的過氧化物	Bis(α,α-dimethylbenzyl) peroxide 201	201-279-3	80-43-3	< 1000ppm
242	磷酸三苯酯	Triphenyl Phosphate	204-112-2	115-86-6	< 1000ppm
243	三苯基硫代磷酸與叔丁基苯衍生物的反應物	reaction mass of: triphenylthiophosphate and tertiary butylated phenyl derivatives	421-820-9	192268-65-8	< 1000ppm
244	全氟三丙胺	Perfluamine	206-420-2	338-83-0	< 1000ppm
245	八甲基三矽氧烷	Octamethyltrisiloxane	203-497-4	107-51-7	< 1000ppm
246	硫代磷酸(O,O,O-三苯基)酯	O,O,O-triphenyl phosphorothioate	209-909-9	597-82-0	< 1000ppm
247	6-[(C10-C13)-烷基-(支鏈·不飽和)-2,5-二氧代吡咯烷-1-基]己酸	6-[(C10-C13)-alkyl-(branched, unsaturated)-2,5-dioxopyrrolidin-1-yl]hexanoic acid	701-118-1	2156592-54-8	< 1000ppm
248	活性棕 51	Tetra(sodium/potassium) 7-[(E)-{2-acetamido-4-[(E)-(4-{[4-chloro-6-({2-[(4-fluoro-6-([4-(vinylsulfonyl)phenyl]amino)-1,3,5-triazine-2-yl)amino]propyl)amino)-1,3,5-triazine-2-yl]amino)-5-sulfonato-1-naphthyl]diazanyl]-5-methoxyphenyl]diazanyl]-1,3,6-naphthalenetrisulfonate ;	466-490-7	-	< 1000ppm
249	十甲基四矽氧烷	Decamethyltetrasiloxane	205-491-7	141-62-8	< 1000ppm
250	1,1,1,3,5,5,5-七甲基-3-[(三甲基甲矽烷基)氧基]三矽氧烷	(1,1,1,3,5,5,5-heptamethyl-3-[(trimethylsilyl)oxy]trisiloxane)	241-867-7	17928-28-8	< 1000ppm
251	十溴二苯乙烷(DBDPE)	1,1'-(ethane-1,2-diyl) bis[pentabromobenzene]	284-366-9	84852-53-9	< 1000ppm

備註：

公司名稱(Company)：通泰積體電路股份有限公司

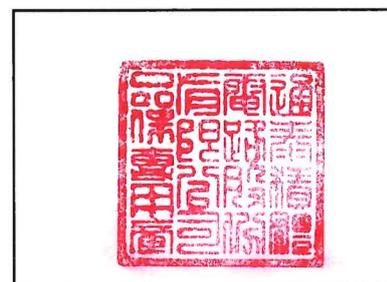
保證人(Warrantor)：胡飛名 / Tony Hu

tony hu

職稱(Title)：品保經理 QA Manager
管理代表 Management Representative

電話(Tel): (02)8226-5916 #354

生效日期(Date)：2025/12/08



印鑑 Company's Stamp

