



## Schedule of Scope to Certificate of Conformity Hazardous Substance Process Management

IECQ Certificate No.: IECQ-H DNVTW 16.0005

CB Certificate No.: TW-HSPM-1044

Schedule Number: IECQ-H DNVTW 16.0005-S    Rev No.: 1    Revision Date: 2016/07/18    Page 1 of 2

### HSF control list

HSF (Hazardous substances free)

1. The European Union RoHS Directive 2011/65/EU and its amendments
2. The European Union PFOS Directive 2006/122/EC and its amendments
3. The European Union Batteries Directive 2013/56/EU

	Name of hazardous substance	Threshold value (ppm,mg/kg)
1	Cadmium(Cd) and cadmium compounds	<100 ppm
2	Lead (Pb) and lead compounds	<1000 ppm
3	Mercury (Hg) and mercury compounds	<1000 ppm
4	Hexavalent chromium (Cr+6) compounds	<1000 ppm
5	Polybrominated biphenyls (PBB)	<1000 ppm
6	Polybrominated diphenyl ethers (PBDE)	<1000 ppm
7	Perfluorooctane Sulfonate (PFOS)	<1000 ppm
	<b>Batteries Directive 2013/56/EU</b>	
8	Cadmium(Cd) and cadmium compounds	<20 ppm
9	Lead (Pb) and lead compounds	<40 ppm
10	Mercury (Hg) and mercury compounds	any button cells that contain more than 2% and any batteries that contain more than 0.0005% mercury by weight.

#### REACH

The European Union REACH Directive 2008/58/EC & REACH (Registration, Evaluation, Authorisation and restriction of Chemicals) was established by Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006, and established the ECHA (European Chemicals Agency) to regulate chemicals and their safe use. The list of SVHCs (Substance of Very High Concern) was published by the ECHA in 2008 and most recently updated in [Dec. 2015](#).

#### CMRT

Dodd-Frank Wall Street Reform and Consumer Protection Act  
 EICC/GeSI Conflict Minerals Reporting Template

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Sony GP (for Sony project only)  
 SS-00259-01 Ver. 14 (2015/8/1)  
 MSDS  
 ICP Report (under 2 years)  
 JGPSSI

NO.	Material	Equation	CAS NO.	Content ( % )	Content by part ( % )
1	Ferrite	Fe <sub>2</sub> O <sub>3</sub>	1309-37-1	53.82	62.0
		NiO	1313-99-1	7.81	9.0
		CuO	1317-38-0	6.51	7.5
		ZnO	1314-13-2	16.93	19.5
		Bi <sub>2</sub> O <sub>3</sub>	1304-76-3	1.74	2.0
2	Terminal	Ag	7440-22-4	6.85	84.0
		Glass	trade secret	1.31	16.0
3	Plating	Cu	7440-50-8	1.00	20.0
		Ni	7440-02-0	1.51	30.0
		Sn	7440-31-5	2.52	50.0

PART NAME No.1 : BROWN POWDER

Test Item(s)	Unit	Method	MDL	Result	Limit
				No.1	
Cadmium (Cd)	mg/kg	With reference to IEC 62321-5: 2013 and performed by ICP-AES.	2	n.d.	100
Lead (Pb)	mg/kg	With reference to IEC 62321-5: 2013 and performed by ICP-AES.	2	n.d.	1000
Mercury (Hg)	mg/kg	With reference to IEC 62321-4: 2013 and performed by ICP-AES.	2	n.d.	1000
Hexavalent Chromium Cr(VI)	mg/kg	With reference to IEC 62321: 2008 and performed by UV-VIS.	2	n.d.	1000
Arsenic (As)	mg/kg	With reference to US EPA Method 3052. Analysis was performed by ICP-AES.	2	n.d.	-

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