

Material Composition Data



Product: GSX-317

Page 1

GSX-317 - 3215 Watch Crystal

Sub-Assembly	Material	Substance	CAS No	Mass (mg)	Sub-Assembly % by mass
Base	Ceramic	CaO	1305-78-8	0.050	0.49
	Ceramic	MgO	1309-48-4	0.050	0.49
	Ceramic	Cr2O3	1308-38-9	0.060	0.59
	Ceramic	Mo	7439-98-7	0.080	0.79
	Ceramic	SiO2	14808-60-7	0.370	3.63
	Ceramic	Al2O3	1344-28-1	7.540	73.99
	Metallisation	Au	7440-57-5	0.010	0.10
	Metallisation	Mo	7439-98-7	0.040	0.39
	Metallisation	Co	7440-48-4	0.120	1.18
	Metallisation	Ni	7440-02-0	0.490	4.81
	Metallisation	W	7440-33-7	1.380	13.54
	Crystal	Crystal	SiO2	14808-60-7	0.187
Electrode	Silver Chromium Gold	Cr	7440-47-3	0.000	0.00
	Silver Chromium Gold	Ag	7440-22-4	0.002	40.00
	Silver Chromium Gold	Au	7440-57-5	0.003	60.00
Filler	Silica	SiO2	14808-60-7	0.003	2.33
	inorganic filler	Epoxy resin trade secret	0	0.035	27.13
	organic filler	C5H9NO	872-50-4	0.003	2.33
	resin	Epoxy resin trade secret	0	0.036	27.91
	sealant	C8H14O4	627-93-0	0.052	40.31
Lid	Contact	Cu	7440-50-8	0.812	30.17
	Kovar	Si	7440-21-3	0.001	0.04
	Kovar	Mn	7439-96-5	0.003	0.11
	Kovar	Co	7440-48-4	0.228	8.47
	Kovar	Ni	7440-02-0	0.408	15.16
	Kovar	Fe	7439-89-6	0.737	27.39
	Ni plate	Ni	7440-02-0	0.130	4.83
	Solder	Cu	7440-50-8	0.056	2.08
	Solder	Ag	7440-22-4	0.316	11.74
Silver Glue	Silica	SiO2	14808-60-7	0.004	1.53
	Silver	Ag	7440-22-4	0.210	80.15
	resin	C13H28	629-50-5	0.024	9.16
	resin	Epoxy resin trade secret	0	0.024	9.16

Total Mass: 13.464 mg

John Hems
Quality Manager
Email: j.hems@golledge.com