



## Material Content Data Sheet



<b>Sales Product Name</b>				SAK-TC297TP-128F300N BC		<b>Issued</b>		19. January 2018	
<b>MA#</b>				MA001651072					
<b>Package</b>				PG-LFBGA-292-6		<b>Weight*</b>		938.00 mg	
Construction Element	Material Group	Substances	CAS# if applicable	Weight [mg]	Average Mass [%]	Sum [%]	Average Mass [ppm]	Sum [ppm]	
chip	inorganic material	silicon	7440-21-3	36.614	3.90	3.90	39034	39034	
wire	noble metal	palladium	7440-05-3	0.014	0.00		15		
	non noble metal	copper	7440-50-8	1.396	0.15	0.15	1488	1503	
encapsulation	organic material	carbon black	1333-86-4	0.681	0.07		726		
	plastics	epoxy resin	-	46.985	5.01		50090		
	inorganic material	silicondioxide	60676-86-0	292.804	31.22	36.30	312156	362972	
substrate	plastics	epoxy resin	-	6.479	0.69		6907		
	inorganic material	bariumsulfate	7727-43-7	9.942	1.06		10599		
	plastics	acrylic resin	-	11.506	1.23		12266		
	inorganic material	aluminiumhydroxide	21645-51-2	53.265	5.68		56786		
	plastics	epoxy bismaleimide triazine resin	-	61.156	6.52		65199		
	inorganic material	glass fibre	-	82.857	8.83		88333		
	non noble metal	copper	7440-50-8	196.577	20.96	44.97	209570	449660	
plating	noble metal	gold	7440-57-5	1.231	0.13		1313		
	non noble metal	nickel	7440-02-0	3.370	0.36	0.49	3593	4906	
solderball	noble metal	silver	7440-22-4	4.457	0.48		4752		
	non noble metal	tin	7440-31-5	122.898	13.10	13.58	131021	135773	
glue	plastics	epoxy resin	-	1.443	0.15		1538		
	noble metal	silver	7440-22-4	4.328	0.46	0.61	4614	6152	
*deviation	< 10%					Sum in total:	100.00	1000000	

### Important Remarks:

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