



## Material Content Data Sheet



<b>Sales Product Name</b>				SAK-TC357TH-64F300S AB		<b>Issued</b>		2. August 2019	
<b>MA#</b>				MA005344197					
<b>Package</b>				PG-LFBGA-292-13		<b>Weight*</b>		878.87 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	20.777	2.36	2.36	23641	23641	
wire	noble metal	palladium	7440-05-3	0.015	0.00		17		
	non noble metal	copper	7440-50-8	1.502	0.17	0.17	1709	1726	
encapsulation	organic material	carbon black	1333-86-4	0.711	0.08		809		
	plastics	epoxy resin	-	49.052	5.58		55813		
substrate	inorganic material	silicondioxide	60676-86-0	305.687	34.79	40.45	347818	404440	
	inorganic material	bariumsulfate	7727-43-7	10.509	1.20		11958		
	plastics	acrylic resin	-	12.162	1.38		13839		
	non noble metal	metal hydroxide	-	14.262	1.62		16228		
	inorganic material	amorphous silica	7631-86-9	28.524	3.25		32456		
	plastics	epoxy resin	-	49.635	5.65		56476		
	inorganic material	glass fibre wool	65997-17-3	57.049	6.49		64911		
	non noble metal	copper	7440-50-8	193.849	22.06	41.65	220565	416433	
plating	noble metal	gold	7440-57-5	1.136	0.13		1293		
	non noble metal	nickel	7440-02-0	3.110	0.35	0.48	3539	4832	
solderball	noble metal	silver	7440-22-4	4.457	0.51		5072		
	non noble metal	tin	7440-31-5	122.898	13.98	14.49	139837	144909	
glue	plastics	epoxy resin	-	0.883	0.10		1005		
	noble metal	silver	7440-22-4	2.649	0.30	0.40	3014	4019	
*deviation	< 10%		Sum in total:			100.00		1000000	

### Important Remarks:

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This product is in compliance with EU Directive 2015/863/EU amending Annex II to EU Directive 2011/65/EU (RoHS) and does not use any exemption

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