



Material Content Data Sheet



Sales Product Name				SAK-TC1791F-512F240EP AB		Issued		31. October 2014	
MA#				MA001252350					
Package				PG-LFBGA-292-6		Weight*		936.92 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	31.142	3.32	3.32	33239	33239	
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	1490	1505	
encapsulation	organic material	carbon black	1333-86-4	0.691	0.07		738		
	plastics	epoxy resin	-	47.693	5.09		50904		
substrate	inorganic material	silicondioxide	60676-86-0	297.219	31.73	36.89	317228	368870	
	plastics	epoxy resin	-	6.479	0.69		6915		
	inorganic material	bariumsulfate	7727-43-7	9.942	1.06		10611		
	plastics	acrylic resin	-	11.506	1.23		12280		
	inorganic material	aluminiumhydroxide	21645-51-2	53.265	5.69		56851		
	plastics	epoxy bismaleimide triazine resin	-	61.156	6.53		65274		
	inorganic material	glass fibre	-	82.857	8.84		88435		
	non noble metal	copper	7440-50-8	196.577	20.98	45.02	209811	450177	
plating	noble metal	gold	7440-57-5	1.231	0.13		1314		
	non noble metal	nickel	7440-02-0	3.370	0.36	0.49	3597	4911	
solderball	noble metal	silver	7440-22-4	4.457	0.48		4758		
	non noble metal	tin	7440-31-5	122.898	13.12	13.60	131172	135930	
glue	plastics	epoxy resin	-	1.257	0.13		1342		
	noble metal	silver	7440-22-4	3.772	0.40	0.53	4026	5368	
*deviation	< 10%		Sum in total:			100.00		1000000	

Important Remarks:

1. Infineon Technologies AG provides full material declaration based on information provided by third parties and has taken and continues to take reasonable steps to provide representative and accurate information.
2. Infineon Technologies AG and Infineon Technologies AG suppliers consider certain information to be proprietary, and thus CAS numbers and other limited information may not be available for release.
3. All statements are based on our present knowledge, are provided 'as is' and may be subject to change at any time due to technical requirements and development without notification.

This product is in compliance with EU Directive 2011/65/EU (RoHS) and does not use any exemption.

Company	Infineon Technologies AG
Address	81726 München
Internet	www.infineon.com