



## Material Content Data Sheet



Halogen-Free

<b>Sales Product Name</b>	SAK-TC299TP-128F300S BC	<b>Issued</b>	23. June 2021
<b>MA#</b>	MA005539043		
<b>Package</b>	PG-LFBGA-516-10	<b>Weight*</b>	2070.87 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	38.541	1.86	1.86	18611	18611
wire	noble metal	palladium	7440-05-3	0.031			15	
	non noble metal	copper	7440-50-8	3.051	0.15	0.15	1473	1488
encapsulation	organic material	carbon black	1333-86-4	1.550	0.07		749	
	plastics	epoxy resin	-	106.984	5.17		51662	
	inorganic material	silicondioxide	60676-86-0	666.713	32.20	37.44	321949	374360
substrate	inorganic material	bariumsulfate	7727-43-7	25.494	1.23		12311	
	non noble metal	metal hydroxide	-	27.781	1.34		13415	
	plastics	acrylic resin	-	29.504	1.42		14247	
	inorganic material	amorphous silica	7631-86-9	55.562	2.68		26831	
	plastics	epoxy resin	-	99.958	4.83		48269	
	inorganic material	glass fibre wool	65997-17-3	111.125	5.37		53661	
	non noble metal	copper	7440-50-8	666.147	32.17	49.04	321676	490410
plating	noble metal	gold	7440-57-5	1.992	0.10		962	
	non noble metal	nickel	7440-02-0	5.453	0.26	0.36	2633	3595
solderball	noble metal	silver	7440-22-4	7.877	0.38		3804	
	non noble metal	tin	7440-31-5	217.176	10.49	10.87	104872	108676
glue	plastics	epoxy resin	-	1.481	0.07		715	
	noble metal	silver	7440-22-4	4.442	0.21	0.28	2145	2860
*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 2015/863/EU amending Annex II to EU Directive 2011/65/EU (RoHS) and does not use any exemption.

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