



## Material Content Data Sheet



<b>Sales Product Name</b>	TDA21320			<b>Issued</b>	20. July 2018			
<b>MA#</b>	MA001198524							
<b>Package</b>	LG-WIQFN-38-2			<b>Weight*</b>	93.67 mg			
Construction Element	Material Group	Substances	CAS# if applicable	Weight [mg]	Average Mass [%]	Sum [%]	Average Mass [ppm]	Sum [ppm]
chip	non noble metal	tin	7440-31-5	0.072	0.08		770	
	noble metal	gold	7440-57-5	0.280	0.30		2987	
	inorganic material	silicon	7440-21-3	1.911	2.04	2.42	20405	24162
leadframe	non noble metal	iron	7439-89-6	0.058	0.06		616	
	inorganic material	phosphorus	7723-14-0	0.017	0.02		185	
	non noble metal	copper	7440-50-8	57.648	61.54	61.62	615451	616252
glue	inorganic material	silicondioxide	60676-86-0	0.031	0.03		336	
	plastics	maleimide resin	-	0.031	0.03	0.06	336	672
solder	non noble metal	copper	7440-50-8	0.045	0.05		479	
	noble metal	silver	7440-22-4	0.269	0.29		2875	
	non noble metal	tin	7440-31-5	8.663	9.25	9.59	92482	95836
redistribution - layer	inorganic material	aluminiumhydroxide	21645-51-2	1.635	1.75		17454	
	inorganic material	silicondioxide	60676-86-0	2.146	2.29		22908	
	plastics	epoxy resin	-	2.861	3.05		30544	
	inorganic material	glass fibre	-	3.576	3.82		38180	
	non noble metal	copper	7440-50-8	13.326	14.23	25.14	142266	251352
solder resists	organic material	carbon black	1333-86-4	0.011	0.01		117	
	inorganic material	bariumsulfate	7727-43-7	0.110	0.12		1173	
	inorganic material	silicondioxide	60676-86-0	0.373	0.40		3987	
	plastics	acryl epoxy resin	-	0.604	0.64	1.17	6449	11726
*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.
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