



## Material Content Data Sheet



<b>Sales Product Name</b>				TDA21320		<b>Issued</b>		27. September 2017	
<b>MA#</b>				MA001280316					
<b>Package</b>				LG-WIQFN-38-1		<b>Weight*</b>		95.19 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		758		
	noble metal	gold	7440-57-5	0.280	0.29		2939		
	inorganic material	silicon	7440-21-3	1.911	2.01	2.38	20078	23775	
leadframe	non noble metal	iron	7439-89-6	0.058	0.06		606		
	inorganic material	phosphorus	7723-14-0	0.017	0.02		182		
	non noble metal	copper	7440-50-8	57.648	60.56	60.64	605592	606380	
leadfinish	inorganic material	phosphorus	7723-14-0	0.019	0.02		198		
	noble metal	gold	7440-57-5	0.050	0.05		526		
	non noble metal	nickel	7440-02-0	1.050	1.10	1.17	11029	11753	
glue	inorganic material	silicondioxide	60676-86-0	0.031	0.03		330		
	plastics	maleimide resin	-	0.031	0.03	0.06	330	660	
solder	noble metal	silver	7440-22-4	0.314	0.33		3301		
	non noble metal	tin	7440-31-5	8.663	9.10	9.43	91001	94302	
redistribution - layer	inorganic material	aluminiumhydroxide	21645-51-2	1.635	1.72		17174		
	inorganic material	silicondioxide	60676-86-0	2.146	2.25		22541		
	plastics	epoxy resin	-	2.861	3.01		30055		
	inorganic material	glass fibre	-	3.576	3.76		37569		
	non noble metal	copper	7440-50-8	13.326	14.00	24.74	139987	247326	
solder resists	inorganic material	silicondioxide	60676-86-0	0.165	0.17		1738		
	plastics	epoxy resin	-	0.196	0.21		2055		
	inorganic material	bariumsulfate	7727-43-7	0.331	0.35		3477		
	plastics	acrylic resin	-	0.812	0.85	1.58	8534	15804	
*deviation	< 10%		Sum in total:			100.00		1000000	

### Important Remarks:

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