

3/7/2024 8:46:19 AM



Method: Light Elements | PP4 3/6/2024 4:42:03 PM

Name: Lead Frame Dummy TO220.

Grade ID: No Match

Grade Alias:

Duration of measurement: 12.1 s (2.0/10.1)

Symbol	Zn / %	Sn / %	Pb / %	Ni / %	Al / %	Fe / %	Si / %	P/%
Conc.	0.46	1.10	1.01	1.72	4.14	17.8	23.0	0.85
U	± 0.03	± 0.07	± 0.06	± 0.04	± 0.38	± 0.2	± 0.3	± 0.05

Symbol	Sb / %	Zr / %	Ti / %	Cu / %		
Conc.	0.19	.058	0.45	49.3		
U	± 0.05	± .010	± 0.04	± 0.2		



3/7/2024 8:46:23 AM



Method: Light Elements | PP4 3/6/2024 4:41:07 PM

Name: Lead Frame Dummy TO220.

Grade ID: No Match

Grade Alias:

Duration of measurement: 12.1 s (2.1/10.0)

Symbol	Zn / %	Sn / %	Pb / %	Ni / %	Al / %	Fe / %	Si / %	P/%
Conc.	.055	1.76	0.17	1.82	0.54	2.62	8.56	0.31
U	± .028	± 0.10	± 0.06	± 0.04	± 0.39	± 0.05	± 0.23	± 0.04

Symbol	Se / %	Sb / %	Ti / %	Cu / %		
Conc.	.009	0.32	.090	83.8		
U	± .009	± 0.07	± .017	± 0.3		



3/7/2024 8:46:26 AM



Method: Light Elements | PP4 3/6/2024 4:40:00 PM

Name: Lead Frame Dummy TO220

Grade ID: No Match

Grade Alias:

Duration of measurement: 12.0 s (2.0/10.0)

Symbol	Sn / %	Ni / %	Fe / %	Si / %	P/%	Ag / %	Sb / %	Cu / %
Conc.	1.29	1.21	0.28	1.80	0.27	.067	0.23	94.9
U	± 0.10	± 0.04	± 0.03	± 0.12	± 0.04	± .038	± 0.07	± 0.3