



Vishay Semiconductor Opto

27 October 2015

Certificate of Compliance

REACH, Substance of Very High Concern (SVHC)

Vishay hereby certifies that all products listed in Annex - I, contains one of 163 Substances of Very High Concern (SVHC) dated 15-June-2015 above threshold value according to decision number ED/39/2015

List of SVHC's:

<http://echa.europa.eu/web/guest/candidate-list-table>

The information provided here is accurate to the best of our knowledge at the present time.

Note: "Components must be handled, stored, transported and disposed of in accordance with applicable laws, rules and regulations".

A handwritten signature in black ink, appearing to read "Arline del Mundo".

ARLINE DEL MUNDO

Section Manager -Product Environmental Quality

Vishay Semiconductor Opto

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Annex - 1

Sl.Nr.	Vishay Part # / Part Family	Contains SVHC(Yes/No)	(%W/W)per article	Name of the SVHC
1	VSLB3940	YES	>1000 ppm	*Hexahydromethylphthalic anhydride CAS # 25550-51-0 *Hexahydro-4-methylphthalic anhydride CAS # 19438-60-9 *Hexahydro-1-methylphthalic anhydride CAS # 48122-14-1 *Hexahydro-3-methylphthalic anhydride CAS # 57110-29-9
2	VSLB3940-MSZ	YES	>1000 ppm	*Hexahydromethylphthalic anhydride CAS # 25550-51-0 *Hexahydro-4-methylphthalic anhydride CAS # 19438-60-9 *Hexahydro-1-methylphthalic anhydride CAS # 48122-14-1 *Hexahydro-3-methylphthalic anhydride CAS # 57110-29-9
3	VSLY3850	YES	>1000 ppm	*Hexahydromethylphthalic anhydride CAS # 25550-51-0 *Hexahydro-4-methylphthalic anhydride CAS # 19438-60-9 *Hexahydro-1-methylphthalic anhydride CAS # 48122-14-1 *Hexahydro-3-methylphthalic anhydride CAS # 57110-29-9
4	VLWB9900	YES	>1000 ppm	*Hexahydromethylphthalic anhydride CAS # 25550-51-0 *Hexahydro-4-methylphthalic anhydride CAS # 19438-60-9 *Hexahydro-1-methylphthalic anhydride CAS # 48122-14-1 *Hexahydro-3-methylphthalic anhydride CAS # 57110-29-9
5	VLWR9931	YES	>1000 ppm	*Hexahydromethylphthalic anhydride CAS # 25550-51-0 *Hexahydro-4-methylphthalic anhydride CAS # 19438-60-9 *Hexahydro-1-methylphthalic anhydride CAS # 48122-14-1 *Hexahydro-3-methylphthalic

				anhydride CAS # 57110-29-9
6	VLWR9932	YES	>1000 ppm	*Hexahydromethylphthalic anhydride CAS # 25550-51-0 *Hexahydro-4-methylphthalic anhydride CAS # 19438-60-9 *Hexahydro-1-methylphthalic anhydride CAS # 48122-14-1 *Hexahydro-3-methylphthalic anhydride CAS # 57110-29-9
7	VLWTG9600	YES	>1000 ppm	*Hexahydromethylphthalic anhydride CAS # 25550-51-0 *Hexahydro-4-methylphthalic anhydride CAS # 19438-60-9 *Hexahydro-1-methylphthalic anhydride CAS # 48122-14-1 *Hexahydro-3-methylphthalic anhydride CAS # 57110-29-9
8	VLWTG9900	YES	>1000 ppm	*Hexahydromethylphthalic anhydride CAS # 25550-51-0 *Hexahydro-4-methylphthalic anhydride CAS # 19438-60-9 *Hexahydro-1-methylphthalic anhydride CAS # 48122-14-1 *Hexahydro-3-methylphthalic anhydride CAS # 57110-29-9
9	TSUS4300	YES	>1000 ppm	*Hexahydromethylphthalic anhydride CAS # 25550-51-0 *Hexahydro-4-methylphthalic anhydride CAS # 19438-60-9 *Hexahydro-1-methylphthalic anhydride CAS # 48122-14-1 *Hexahydro-3-methylphthalic anhydride CAS # 57110-29-9
10	TSAL4400	YES	>1000 ppm	*Hexahydromethylphthalic anhydride CAS # 25550-51-0 *Hexahydro-4-methylphthalic anhydride CAS # 19438-60-9 *Hexahydro-1-methylphthalic anhydride CAS # 48122-14-1 *Hexahydro-3-methylphthalic anhydride CAS # 57110-29-9

11	TSAL4400AS12	YES	>1000 ppm	*Hexahydromethylphthalic anhydride CAS # 25550-51-0 *Hexahydro-4-methylphthalic anhydride CAS # 19438-60-9 *Hexahydro-1-methylphthalic anhydride CAS # 48122-14-1 *Hexahydro-3-methylphthalic anhydride CAS # 57110-29-9
12	TSHA4400	YES	>1000 ppm	*Hexahydromethylphthalic anhydride CAS # 25550-51-0 *Hexahydro-4-methylphthalic anhydride CAS # 19438-60-9 *Hexahydro-1-methylphthalic anhydride CAS # 48122-14-1 *Hexahydro-3-methylphthalic anhydride CAS # 57110-29-9
13	TSHA4401	YES	>1000 ppm	*Hexahydromethylphthalic anhydride CAS # 25550-51-0 *Hexahydro-4-methylphthalic anhydride CAS # 19438-60-9 *Hexahydro-1-methylphthalic anhydride CAS # 48122-14-1 *Hexahydro-3-methylphthalic anhydride CAS # 57110-29-9
14	TSHA4401-AS12Z	YES	>1000 ppm	*Hexahydromethylphthalic anhydride CAS # 25550-51-0 *Hexahydro-4-methylphthalic anhydride CAS # 19438-60-9 *Hexahydro-1-methylphthalic anhydride CAS # 48122-14-1 *Hexahydro-3-methylphthalic anhydride CAS # 57110-29-9
15	TLDR4400	YES	>1000 ppm	*Hexahydromethylphthalic anhydride CAS # 25550-51-0 *Hexahydro-4-methylphthalic anhydride CAS # 19438-60-9 *Hexahydro-1-methylphthalic anhydride CAS # 48122-14-1 *Hexahydro-3-methylphthalic anhydride CAS # 57110-29-9
16	TLDR4900	YES	>1000 ppm	*Hexahydromethylphthalic anhydride CAS # 25550-51-0 *Hexahydro-4-methylphthalic anhydride CAS # 19438-60-9 *Hexahydro-1-methylphthalic anhydride CAS # 48122-14-1 *Hexahydro-3-methylphthalic anhydride CAS # 57110-29-9

17	TLDR4901	YES	>1000 ppm	*Hexahydromethylphthalic anhydride CAS # 25550-51-0 *Hexahydro-4-methylphthalic anhydride CAS # 19438-60-9 *Hexahydro-1-methylphthalic anhydride CAS # 48122-14-1 *Hexahydro-3-methylphthalic anhydride CAS # 57110-29-9
18	TLHA44R1S2	YES	>1000 ppm	*Hexahydromethylphthalic anhydride CAS # 25550-51-0 *Hexahydro-4-methylphthalic anhydride CAS # 19438-60-9 *Hexahydro-1-methylphthalic anhydride CAS # 48122-14-1 *Hexahydro-3-methylphthalic anhydride CAS # 57110-29-9
19	TLHB4200	YES	>1000 ppm	*Hexahydromethylphthalic anhydride CAS # 25550-51-0 *Hexahydro-4-methylphthalic anhydride CAS # 19438-60-9 *Hexahydro-1-methylphthalic anhydride CAS # 48122-14-1 *Hexahydro-3-methylphthalic anhydride CAS # 57110-29-9
20	TLHB4201	YES	>1000 ppm	*Hexahydromethylphthalic anhydride CAS # 25550-51-0 *Hexahydro-4-methylphthalic anhydride CAS # 19438-60-9 *Hexahydro-1-methylphthalic anhydride CAS # 48122-14-1 *Hexahydro-3-methylphthalic anhydride CAS # 57110-29-9
21	TLHB4400	YES	>1000 ppm	*Hexahydromethylphthalic anhydride CAS # 25550-51-0 *Hexahydro-4-methylphthalic anhydride CAS # 19438-60-9 *Hexahydro-1-methylphthalic anhydride CAS # 48122-14-1 *Hexahydro-3-methylphthalic anhydride CAS # 57110-29-9
22	TLHB44K2M1	YES	>1000 ppm	*Hexahydromethylphthalic anhydride CAS # 25550-51-0 *Hexahydro-4-methylphthalic anhydride CAS # 19438-60-9 *Hexahydro-1-methylphthalic anhydride CAS # 48122-14-1 *Hexahydro-3-methylphthalic anhydride CAS # 57110-29-9

23	TLHE4400	YES	>1000 ppm	*Hexahydromethylphthalic anhydride CAS # 25550-51-0 *Hexahydro-4-methylphthalic anhydride CAS # 19438-60-9 *Hexahydro-1-methylphthalic anhydride CAS # 48122-14-1 *Hexahydro-3-methylphthalic anhydride CAS # 57110-29-9
24	TLHE4600	YES	>1000 ppm	*Hexahydromethylphthalic anhydride CAS # 25550-51-0 *Hexahydro-4-methylphthalic anhydride CAS # 19438-60-9 *Hexahydro-1-methylphthalic anhydride CAS # 48122-14-1 *Hexahydro-3-methylphthalic anhydride CAS # 57110-29-9
25	TLHF42U1V2-35	YES	>1000 ppm	*Hexahydromethylphthalic anhydride CAS # 25550-51-0 *Hexahydro-4-methylphthalic anhydride CAS # 19438-60-9 *Hexahydro-1-methylphthalic anhydride CAS # 48122-14-1 *Hexahydro-3-methylphthalic anhydride CAS # 57110-29-9
26	TLHF4600	YES	>1000 ppm	*Hexahydromethylphthalic anhydride CAS # 25550-51-0 *Hexahydro-4-methylphthalic anhydride CAS # 19438-60-9 *Hexahydro-1-methylphthalic anhydride CAS # 48122-14-1 *Hexahydro-3-methylphthalic anhydride CAS # 57110-29-9
27	TLHF4900	YES	>1000 ppm	*Hexahydromethylphthalic anhydride CAS # 25550-51-0 *Hexahydro-4-methylphthalic anhydride CAS # 19438-60-9 *Hexahydro-1-methylphthalic anhydride CAS # 48122-14-1 *Hexahydro-3-methylphthalic anhydride CAS # 57110-29-9
28	TLHG4200	YES	>1000 ppm	*Hexahydromethylphthalic anhydride CAS # 25550-51-0 *Hexahydro-4-methylphthalic anhydride CAS # 19438-60-9 *Hexahydro-1-methylphthalic anhydride CAS # 48122-14-1 *Hexahydro-3-methylphthalic anhydride CAS # 57110-29-9

29	TLHG4201	YES	>1000 ppm	*Hexahydromethylphthalic anhydride CAS # 25550-51-0 *Hexahydro-4-methylphthalic anhydride CAS # 19438-60-9 *Hexahydro-1-methylphthalic anhydride CAS # 48122-14-1 *Hexahydro-3-methylphthalic anhydride CAS # 57110-29-9
30	TLHG4205	YES	>1000 ppm	*Hexahydromethylphthalic anhydride CAS # 25550-51-0 *Hexahydro-4-methylphthalic anhydride CAS # 19438-60-9 *Hexahydro-1-methylphthalic anhydride CAS # 48122-14-1 *Hexahydro-3-methylphthalic anhydride CAS # 57110-29-9
31	TLHG4400	YES	>1000 ppm	*Hexahydromethylphthalic anhydride CAS # 25550-51-0 *Hexahydro-4-methylphthalic anhydride CAS # 19438-60-9 *Hexahydro-1-methylphthalic anhydride CAS # 48122-14-1 *Hexahydro-3-methylphthalic anhydride CAS # 57110-29-9
32	TLHG4400-AS12	YES	>1000 ppm	*Hexahydromethylphthalic anhydride CAS # 25550-51-0 *Hexahydro-4-methylphthalic anhydride CAS # 19438-60-9 *Hexahydro-1-methylphthalic anhydride CAS # 48122-14-1 *Hexahydro-3-methylphthalic anhydride CAS # 57110-29-9
33	TLHG4400AS12Z	YES	>1000 ppm	*Hexahydromethylphthalic anhydride CAS # 25550-51-0 *Hexahydro-4-methylphthalic anhydride CAS # 19438-60-9 *Hexahydro-1-methylphthalic anhydride CAS # 48122-14-1 *Hexahydro-3-methylphthalic anhydride CAS # 57110-29-9
34	TLHG4400-AS12Z	YES	>1000 ppm	*Hexahydromethylphthalic anhydride CAS # 25550-51-0 *Hexahydro-4-methylphthalic anhydride CAS # 19438-60-9 *Hexahydro-1-methylphthalic anhydride CAS # 48122-14-1 *Hexahydro-3-methylphthalic anhydride CAS # 57110-29-9

35	TLHG4400-MS12	YES	>1000 ppm	*Hexahydromethylphthalic anhydride CAS # 25550-51-0 *Hexahydro-4-methylphthalic anhydride CAS # 19438-60-9 *Hexahydro-1-methylphthalic anhydride CAS # 48122-14-1 *Hexahydro-3-methylphthalic anhydride CAS # 57110-29-9
36	TLHG4401	YES	>1000 ppm	*Hexahydromethylphthalic anhydride CAS # 25550-51-0 *Hexahydro-4-methylphthalic anhydride CAS # 19438-60-9 *Hexahydro-1-methylphthalic anhydride CAS # 48122-14-1 *Hexahydro-3-methylphthalic anhydride CAS # 57110-29-9
37	TLHG4401-AS12Z	YES	>1000 ppm	*Hexahydromethylphthalic anhydride CAS # 25550-51-0 *Hexahydro-4-methylphthalic anhydride CAS # 19438-60-9 *Hexahydro-1-methylphthalic anhydride CAS # 48122-14-1 *Hexahydro-3-methylphthalic anhydride CAS # 57110-29-9
38	TLHG4405	YES	>1000 ppm	*Hexahydromethylphthalic anhydride CAS # 25550-51-0 *Hexahydro-4-methylphthalic anhydride CAS # 19438-60-9 *Hexahydro-1-methylphthalic anhydride CAS # 48122-14-1 *Hexahydro-3-methylphthalic anhydride CAS # 57110-29-9
39	TLHG4405AS12Z	YES	>1000 ppm	*Hexahydromethylphthalic anhydride CAS # 25550-51-0 *Hexahydro-4-methylphthalic anhydride CAS # 19438-60-9 *Hexahydro-1-methylphthalic anhydride CAS # 48122-14-1 *Hexahydro-3-methylphthalic anhydride CAS # 57110-29-9
40	TLHG4405MS12	YES	>1000 ppm	*Hexahydromethylphthalic anhydride CAS # 25550-51-0 *Hexahydro-4-methylphthalic anhydride CAS # 19438-60-9 *Hexahydro-1-methylphthalic anhydride CAS # 48122-14-1 *Hexahydro-3-methylphthalic anhydride CAS # 57110-29-9

41	TLHG44K1L2	YES	>1000 ppm	*Hexahydromethylphthalic anhydride CAS # 25550-51-0 *Hexahydro-4-methylphthalic anhydride CAS # 19438-60-9 *Hexahydro-1-methylphthalic anhydride CAS # 48122-14-1 *Hexahydro-3-methylphthalic anhydride CAS # 57110-29-9
42	TLHG4600	YES	>1000 ppm	*Hexahydromethylphthalic anhydride CAS # 25550-51-0 *Hexahydro-4-methylphthalic anhydride CAS # 19438-60-9 *Hexahydro-1-methylphthalic anhydride CAS # 48122-14-1 *Hexahydro-3-methylphthalic anhydride CAS # 57110-29-9
43	TLHG4605	YES	>1000 ppm	*Hexahydromethylphthalic anhydride CAS # 25550-51-0 *Hexahydro-4-methylphthalic anhydride CAS # 19438-60-9 *Hexahydro-1-methylphthalic anhydride CAS # 48122-14-1 *Hexahydro-3-methylphthalic anhydride CAS # 57110-29-9
44	TLHG4605AS12Z	YES	>1000 ppm	*Hexahydromethylphthalic anhydride CAS # 25550-51-0 *Hexahydro-4-methylphthalic anhydride CAS # 19438-60-9 *Hexahydro-1-methylphthalic anhydride CAS # 48122-14-1 *Hexahydro-3-methylphthalic anhydride CAS # 57110-29-9
45	TLHG4900	YES	>1000 ppm	*Hexahydromethylphthalic anhydride CAS # 25550-51-0 *Hexahydro-4-methylphthalic anhydride CAS # 19438-60-9 *Hexahydro-1-methylphthalic anhydride CAS # 48122-14-1 *Hexahydro-3-methylphthalic anhydride CAS # 57110-29-9
46	TLHG5100	YES	>1000 ppm	*Hexahydromethylphthalic anhydride CAS # 25550-51-0 *Hexahydro-4-methylphthalic anhydride CAS # 19438-60-9 *Hexahydro-1-methylphthalic anhydride CAS # 48122-14-1 *Hexahydro-3-methylphthalic anhydride CAS # 57110-29-9

47	TLHG5200	YES	>1000 ppm	*Hexahydromethylphthalic anhydride CAS # 25550-51-0 *Hexahydro-4-methylphthalic anhydride CAS # 19438-60-9 *Hexahydro-1-methylphthalic anhydride CAS # 48122-14-1 *Hexahydro-3-methylphthalic anhydride CAS # 57110-29-9
48	TLHG5201	YES	>1000 ppm	*Hexahydromethylphthalic anhydride CAS # 25550-51-0 *Hexahydro-4-methylphthalic anhydride CAS # 19438-60-9 *Hexahydro-1-methylphthalic anhydride CAS # 48122-14-1 *Hexahydro-3-methylphthalic anhydride CAS # 57110-29-9
49	TLHG5205	YES	>1000 ppm	*Hexahydromethylphthalic anhydride CAS # 25550-51-0 *Hexahydro-4-methylphthalic anhydride CAS # 19438-60-9 *Hexahydro-1-methylphthalic anhydride CAS # 48122-14-1 *Hexahydro-3-methylphthalic anhydride CAS # 57110-29-9
50	TLHG5400	YES	>1000 ppm	*Hexahydromethylphthalic anhydride CAS # 25550-51-0 *Hexahydro-4-methylphthalic anhydride CAS # 19438-60-9 *Hexahydro-1-methylphthalic anhydride CAS # 48122-14-1 *Hexahydro-3-methylphthalic anhydride CAS # 57110-29-9
51	TLHG5400AS12	YES	>1000 ppm	*Hexahydromethylphthalic anhydride CAS # 25550-51-0 *Hexahydro-4-methylphthalic anhydride CAS # 19438-60-9 *Hexahydro-1-methylphthalic anhydride CAS # 48122-14-1 *Hexahydro-3-methylphthalic anhydride CAS # 57110-29-9
52	TLHG5401	YES	>1000 ppm	*Hexahydromethylphthalic anhydride CAS # 25550-51-0 *Hexahydro-4-methylphthalic anhydride CAS # 19438-60-9 *Hexahydro-1-methylphthalic anhydride CAS # 48122-14-1 *Hexahydro-3-methylphthalic anhydride CAS # 57110-29-9

53	TLHG5405	YES	>1000 ppm	*Hexahydromethylphthalic anhydride CAS # 25550-51-0 *Hexahydro-4-methylphthalic anhydride CAS # 19438-60-9 *Hexahydro-1-methylphthalic anhydride CAS # 48122-14-1 *Hexahydro-3-methylphthalic anhydride CAS # 57110-29-9
54	TLHG5405AS12Z	YES	>1000 ppm	*Hexahydromethylphthalic anhydride CAS # 25550-51-0 *Hexahydro-4-methylphthalic anhydride CAS # 19438-60-9 *Hexahydro-1-methylphthalic anhydride CAS # 48122-14-1 *Hexahydro-3-methylphthalic anhydride CAS # 57110-29-9
55	TLHG5800	YES	>1000 ppm	*Hexahydromethylphthalic anhydride CAS # 25550-51-0 *Hexahydro-4-methylphthalic anhydride CAS # 19438-60-9 *Hexahydro-1-methylphthalic anhydride CAS # 48122-14-1 *Hexahydro-3-methylphthalic anhydride CAS # 57110-29-9
56	TLHK42S1T2	YES	>1000 ppm	*Hexahydromethylphthalic anhydride CAS # 25550-51-0 *Hexahydro-4-methylphthalic anhydride CAS # 19438-60-9 *Hexahydro-1-methylphthalic anhydride CAS # 48122-14-1 *Hexahydro-3-methylphthalic anhydride CAS # 57110-29-9
57	TLHK42T1U2	YES	>1000 ppm	*Hexahydromethylphthalic anhydride CAS # 25550-51-0 *Hexahydro-4-methylphthalic anhydride CAS # 19438-60-9 *Hexahydro-1-methylphthalic anhydride CAS # 48122-14-1 *Hexahydro-3-methylphthalic anhydride CAS # 57110-29-9
58	TLHK44R1S2	YES	>1000 ppm	*Hexahydromethylphthalic anhydride CAS # 25550-51-0 *Hexahydro-4-methylphthalic anhydride CAS # 19438-60-9 *Hexahydro-1-methylphthalic anhydride CAS # 48122-14-1 *Hexahydro-3-methylphthalic anhydride CAS # 57110-29-9

59	TLHK4600	YES	>1000 ppm	*Hexahydromethylphthalic anhydride CAS # 25550-51-0 *Hexahydro-4-methylphthalic anhydride CAS # 19438-60-9 *Hexahydro-1-methylphthalic anhydride CAS # 48122-14-1 *Hexahydro-3-methylphthalic anhydride CAS # 57110-29-9
60	TLHK46Q1R2	YES	>1000 ppm	*Hexahydromethylphthalic anhydride CAS # 25550-51-0 *Hexahydro-4-methylphthalic anhydride CAS # 19438-60-9 *Hexahydro-1-methylphthalic anhydride CAS # 48122-14-1 *Hexahydro-3-methylphthalic anhydride CAS # 57110-29-9
61	TLHO4200	YES	>1000 ppm	*Hexahydromethylphthalic anhydride CAS # 25550-51-0 *Hexahydro-4-methylphthalic anhydride CAS # 19438-60-9 *Hexahydro-1-methylphthalic anhydride CAS # 48122-14-1 *Hexahydro-3-methylphthalic anhydride CAS # 57110-29-9
62	TLHO4201	YES	>1000 ppm	*Hexahydromethylphthalic anhydride CAS # 25550-51-0 *Hexahydro-4-methylphthalic anhydride CAS # 19438-60-9 *Hexahydro-1-methylphthalic anhydride CAS # 48122-14-1 *Hexahydro-3-methylphthalic anhydride CAS # 57110-29-9
63	TLHO42M1N2	YES	>1000 ppm	*Hexahydromethylphthalic anhydride CAS # 25550-51-0 *Hexahydro-4-methylphthalic anhydride CAS # 19438-60-9 *Hexahydro-1-methylphthalic anhydride CAS # 48122-14-1 *Hexahydro-3-methylphthalic anhydride CAS # 57110-29-9
64	TLHO4400	YES	>1000 ppm	*Hexahydromethylphthalic anhydride CAS # 25550-51-0 *Hexahydro-4-methylphthalic anhydride CAS # 19438-60-9 *Hexahydro-1-methylphthalic anhydride CAS # 48122-14-1 *Hexahydro-3-methylphthalic anhydride CAS # 57110-29-9

65	TLHP4200	YES	>1000 ppm	*Hexahydromethylphthalic anhydride CAS # 25550-51-0 *Hexahydro-4-methylphthalic anhydride CAS # 19438-60-9 *Hexahydro-1-methylphthalic anhydride CAS # 48122-14-1 *Hexahydro-3-methylphthalic anhydride CAS # 57110-29-9
66	TLHP42J2L1	YES	>1000 ppm	*Hexahydromethylphthalic anhydride CAS # 25550-51-0 *Hexahydro-4-methylphthalic anhydride CAS # 19438-60-9 *Hexahydro-1-methylphthalic anhydride CAS # 48122-14-1 *Hexahydro-3-methylphthalic anhydride CAS # 57110-29-9
67	TLHR4200	YES	>1000 ppm	*Hexahydromethylphthalic anhydride CAS # 25550-51-0 *Hexahydro-4-methylphthalic anhydride CAS # 19438-60-9 *Hexahydro-1-methylphthalic anhydride CAS # 48122-14-1 *Hexahydro-3-methylphthalic anhydride CAS # 57110-29-9
68	TLHR4201	YES	>1000 ppm	*Hexahydromethylphthalic anhydride CAS # 25550-51-0 *Hexahydro-4-methylphthalic anhydride CAS # 19438-60-9 *Hexahydro-1-methylphthalic anhydride CAS # 48122-14-1 *Hexahydro-3-methylphthalic anhydride CAS # 57110-29-9
69	TLHR4205	YES	>1000 ppm	*Hexahydromethylphthalic anhydride CAS # 25550-51-0 *Hexahydro-4-methylphthalic anhydride CAS # 19438-60-9 *Hexahydro-1-methylphthalic anhydride CAS # 48122-14-1 *Hexahydro-3-methylphthalic anhydride CAS # 57110-29-9
70	TLHR4205AS12	YES	>1000 ppm	*Hexahydromethylphthalic anhydride CAS # 25550-51-0 *Hexahydro-4-methylphthalic anhydride CAS # 19438-60-9 *Hexahydro-1-methylphthalic anhydride CAS # 48122-14-1 *Hexahydro-3-methylphthalic anhydride CAS # 57110-29-9

71	TLHR4400	YES	>1000 ppm	*Hexahydromethylphthalic anhydride CAS # 25550-51-0 *Hexahydro-4-methylphthalic anhydride CAS # 19438-60-9 *Hexahydro-1-methylphthalic anhydride CAS # 48122-14-1 *Hexahydro-3-methylphthalic anhydride CAS # 57110-29-9
72	TLHR4400-AS12	YES	>1000 ppm	*Hexahydromethylphthalic anhydride CAS # 25550-51-0 *Hexahydro-4-methylphthalic anhydride CAS # 19438-60-9 *Hexahydro-1-methylphthalic anhydride CAS # 48122-14-1 *Hexahydro-3-methylphthalic anhydride CAS # 57110-29-9
73	TLHR4400-AS12Z	YES	>1000 ppm	*Hexahydromethylphthalic anhydride CAS # 25550-51-0 *Hexahydro-4-methylphthalic anhydride CAS # 19438-60-9 *Hexahydro-1-methylphthalic anhydride CAS # 48122-14-1 *Hexahydro-3-methylphthalic anhydride CAS # 57110-29-9
74	TLHR4400-MS12	YES	>1000 ppm	*Hexahydromethylphthalic anhydride CAS # 25550-51-0 *Hexahydro-4-methylphthalic anhydride CAS # 19438-60-9 *Hexahydro-1-methylphthalic anhydride CAS # 48122-14-1 *Hexahydro-3-methylphthalic anhydride CAS # 57110-29-9
75	TLHR4400-MS12Z	YES	>1000 ppm	*Hexahydromethylphthalic anhydride CAS # 25550-51-0 *Hexahydro-4-methylphthalic anhydride CAS # 19438-60-9 *Hexahydro-1-methylphthalic anhydride CAS # 48122-14-1 *Hexahydro-3-methylphthalic anhydride CAS # 57110-29-9
76	TLHR4401	YES	>1000 ppm	*Hexahydromethylphthalic anhydride CAS # 25550-51-0 *Hexahydro-4-methylphthalic anhydride CAS # 19438-60-9 *Hexahydro-1-methylphthalic anhydride CAS # 48122-14-1 *Hexahydro-3-methylphthalic anhydride CAS # 57110-29-9

77	TLHR4401-AS12Z	YES	>1000 ppm	*Hexahydromethylphthalic anhydride CAS # 25550-51-0 *Hexahydro-4-methylphthalic anhydride CAS # 19438-60-9 *Hexahydro-1-methylphthalic anhydride CAS # 48122-14-1 *Hexahydro-3-methylphthalic anhydride CAS # 57110-29-9
78	TLHR4405	YES	>1000 ppm	*Hexahydromethylphthalic anhydride CAS # 25550-51-0 *Hexahydro-4-methylphthalic anhydride CAS # 19438-60-9 *Hexahydro-1-methylphthalic anhydride CAS # 48122-14-1 *Hexahydro-3-methylphthalic anhydride CAS # 57110-29-9
79	TLHR4405AS12Z	YES	>1000 ppm	*Hexahydromethylphthalic anhydride CAS # 25550-51-0 *Hexahydro-4-methylphthalic anhydride CAS # 19438-60-9 *Hexahydro-1-methylphthalic anhydride CAS # 48122-14-1 *Hexahydro-3-methylphthalic anhydride CAS # 57110-29-9
80	TLHR4405MS12	YES	>1000 ppm	*Hexahydromethylphthalic anhydride CAS # 25550-51-0 *Hexahydro-4-methylphthalic anhydride CAS # 19438-60-9 *Hexahydro-1-methylphthalic anhydride CAS # 48122-14-1 *Hexahydro-3-methylphthalic anhydride CAS # 57110-29-9
81	TLHR4600	YES	>1000 ppm	*Hexahydromethylphthalic anhydride CAS # 25550-51-0 *Hexahydro-4-methylphthalic anhydride CAS # 19438-60-9 *Hexahydro-1-methylphthalic anhydride CAS # 48122-14-1 *Hexahydro-3-methylphthalic anhydride CAS # 57110-29-9
82	TLHR4605	YES	>1000 ppm	*Hexahydromethylphthalic anhydride CAS # 25550-51-0 *Hexahydro-4-methylphthalic anhydride CAS # 19438-60-9 *Hexahydro-1-methylphthalic anhydride CAS # 48122-14-1 *Hexahydro-3-methylphthalic anhydride CAS # 57110-29-9

83	TLHR4605MS12Z	YES	>1000 ppm	*Hexahydromethylphthalic anhydride CAS # 25550-51-0 *Hexahydro-4-methylphthalic anhydride CAS # 19438-60-9 *Hexahydro-1-methylphthalic anhydride CAS # 48122-14-1 *Hexahydro-3-methylphthalic anhydride CAS # 57110-29-9
84	TLHR4900	YES	>1000 ppm	*Hexahydromethylphthalic anhydride CAS # 25550-51-0 *Hexahydro-4-methylphthalic anhydride CAS # 19438-60-9 *Hexahydro-1-methylphthalic anhydride CAS # 48122-14-1 *Hexahydro-3-methylphthalic anhydride CAS # 57110-29-9
85	TLHY4200	YES	>1000 ppm	*Hexahydromethylphthalic anhydride CAS # 25550-51-0 *Hexahydro-4-methylphthalic anhydride CAS # 19438-60-9 *Hexahydro-1-methylphthalic anhydride CAS # 48122-14-1 *Hexahydro-3-methylphthalic anhydride CAS # 57110-29-9
86	TLHY4200AS12Z	YES	>1000 ppm	*Hexahydromethylphthalic anhydride CAS # 25550-51-0 *Hexahydro-4-methylphthalic anhydride CAS # 19438-60-9 *Hexahydro-1-methylphthalic anhydride CAS # 48122-14-1 *Hexahydro-3-methylphthalic anhydride CAS # 57110-29-9
87	TLHY4200-AS12Z	YES	>1000 ppm	*Hexahydromethylphthalic anhydride CAS # 25550-51-0 *Hexahydro-4-methylphthalic anhydride CAS # 19438-60-9 *Hexahydro-1-methylphthalic anhydride CAS # 48122-14-1 *Hexahydro-3-methylphthalic anhydride CAS # 57110-29-9
88	TLHY4201	YES	>1000 ppm	*Hexahydromethylphthalic anhydride CAS # 25550-51-0 *Hexahydro-4-methylphthalic anhydride CAS # 19438-60-9 *Hexahydro-1-methylphthalic anhydride CAS # 48122-14-1 *Hexahydro-3-methylphthalic anhydride CAS # 57110-29-9

89	TLHY4205	YES	>1000 ppm	*Hexahydromethylphthalic anhydride CAS # 25550-51-0 *Hexahydro-4-methylphthalic anhydride CAS # 19438-60-9 *Hexahydro-1-methylphthalic anhydride CAS # 48122-14-1 *Hexahydro-3-methylphthalic anhydride CAS # 57110-29-9
90	TLHY4400	YES	>1000 ppm	*Hexahydromethylphthalic anhydride CAS # 25550-51-0 *Hexahydro-4-methylphthalic anhydride CAS # 19438-60-9 *Hexahydro-1-methylphthalic anhydride CAS # 48122-14-1 *Hexahydro-3-methylphthalic anhydride CAS # 57110-29-9
91	TLHY4400AS12Z	YES	>1000 ppm	*Hexahydromethylphthalic anhydride CAS # 25550-51-0 *Hexahydro-4-methylphthalic anhydride CAS # 19438-60-9 *Hexahydro-1-methylphthalic anhydride CAS # 48122-14-1 *Hexahydro-3-methylphthalic anhydride CAS # 57110-29-9
92	TLHY4400-MS12	YES	>1000 ppm	*Hexahydromethylphthalic anhydride CAS # 25550-51-0 *Hexahydro-4-methylphthalic anhydride CAS # 19438-60-9 *Hexahydro-1-methylphthalic anhydride CAS # 48122-14-1 *Hexahydro-3-methylphthalic anhydride CAS # 57110-29-9
93	TLHY4401	YES	>1000 ppm	*Hexahydromethylphthalic anhydride CAS # 25550-51-0 *Hexahydro-4-methylphthalic anhydride CAS # 19438-60-9 *Hexahydro-1-methylphthalic anhydride CAS # 48122-14-1 *Hexahydro-3-methylphthalic anhydride CAS # 57110-29-9
94	TLHY4401AS12Z	YES	>1000 ppm	*Hexahydromethylphthalic anhydride CAS # 25550-51-0 *Hexahydro-4-methylphthalic anhydride CAS # 19438-60-9 *Hexahydro-1-methylphthalic anhydride CAS # 48122-14-1 *Hexahydro-3-methylphthalic anhydride CAS # 57110-29-9

95	TLHY4405	YES	>1000 ppm	*Hexahydromethylphthalic anhydride CAS # 25550-51-0 *Hexahydro-4-methylphthalic anhydride CAS # 19438-60-9 *Hexahydro-1-methylphthalic anhydride CAS # 48122-14-1 *Hexahydro-3-methylphthalic anhydride CAS # 57110-29-9
96	TLHY4405AS12	YES	>1000 ppm	*Hexahydromethylphthalic anhydride CAS # 25550-51-0 *Hexahydro-4-methylphthalic anhydride CAS # 19438-60-9 *Hexahydro-1-methylphthalic anhydride CAS # 48122-14-1 *Hexahydro-3-methylphthalic anhydride CAS # 57110-29-9
97	TLHY4405MS12	YES	>1000 ppm	*Hexahydromethylphthalic anhydride CAS # 25550-51-0 *Hexahydro-4-methylphthalic anhydride CAS # 19438-60-9 *Hexahydro-1-methylphthalic anhydride CAS # 48122-14-1 *Hexahydro-3-methylphthalic anhydride CAS # 57110-29-9
98	TLHY4405R-BSZ	YES	>1000 ppm	*Hexahydromethylphthalic anhydride CAS # 25550-51-0 *Hexahydro-4-methylphthalic anhydride CAS # 19438-60-9 *Hexahydro-1-methylphthalic anhydride CAS # 48122-14-1 *Hexahydro-3-methylphthalic anhydride CAS # 57110-29-9
99	TLHY44K1L2	YES	>1000 ppm	*Hexahydromethylphthalic anhydride CAS # 25550-51-0 *Hexahydro-4-methylphthalic anhydride CAS # 19438-60-9 *Hexahydro-1-methylphthalic anhydride CAS # 48122-14-1 *Hexahydro-3-methylphthalic anhydride CAS # 57110-29-9
100	TLHY4600	YES	>1000 ppm	*Hexahydromethylphthalic anhydride CAS # 25550-51-0 *Hexahydro-4-methylphthalic anhydride CAS # 19438-60-9 *Hexahydro-1-methylphthalic anhydride CAS # 48122-14-1 *Hexahydro-3-methylphthalic anhydride CAS # 57110-29-9

101	TLHY4601	YES	>1000 ppm	*Hexahydromethylphthalic anhydride CAS # 25550-51-0 *Hexahydro-4-methylphthalic anhydride CAS # 19438-60-9 *Hexahydro-1-methylphthalic anhydride CAS # 48122-14-1 *Hexahydro-3-methylphthalic anhydride CAS # 57110-29-9
102	TLHY4605	YES	>1000 ppm	*Hexahydromethylphthalic anhydride CAS # 25550-51-0 *Hexahydro-4-methylphthalic anhydride CAS # 19438-60-9 *Hexahydro-1-methylphthalic anhydride CAS # 48122-14-1 *Hexahydro-3-methylphthalic anhydride CAS # 57110-29-9
103	TLHY4605-MS12Z	YES	>1000 ppm	*Hexahydromethylphthalic anhydride CAS # 25550-51-0 *Hexahydro-4-methylphthalic anhydride CAS # 19438-60-9 *Hexahydro-1-methylphthalic anhydride CAS # 48122-14-1 *Hexahydro-3-methylphthalic anhydride CAS # 57110-29-9
104	TLHY4900	YES	>1000 ppm	*Hexahydromethylphthalic anhydride CAS # 25550-51-0 *Hexahydro-4-methylphthalic anhydride CAS # 19438-60-9 *Hexahydro-1-methylphthalic anhydride CAS # 48122-14-1 *Hexahydro-3-methylphthalic anhydride CAS # 57110-29-9
105	TLLE4401	YES	>1000 ppm	*Hexahydromethylphthalic anhydride CAS # 25550-51-0 *Hexahydro-4-methylphthalic anhydride CAS # 19438-60-9 *Hexahydro-1-methylphthalic anhydride CAS # 48122-14-1 *Hexahydro-3-methylphthalic anhydride CAS # 57110-29-9
106	TLLG4400	YES	>1000 ppm	*Hexahydromethylphthalic anhydride CAS # 25550-51-0 *Hexahydro-4-methylphthalic anhydride CAS # 19438-60-9 *Hexahydro-1-methylphthalic anhydride CAS # 48122-14-1 *Hexahydro-3-methylphthalic anhydride CAS # 57110-29-9

107	TLLG4400AS12	YES	>1000 ppm	*Hexahydromethylphthalic anhydride CAS # 25550-51-0 *Hexahydro-4-methylphthalic anhydride CAS # 19438-60-9 *Hexahydro-1-methylphthalic anhydride CAS # 48122-14-1 *Hexahydro-3-methylphthalic anhydride CAS # 57110-29-9
108	TLLG4401	YES	>1000 ppm	*Hexahydromethylphthalic anhydride CAS # 25550-51-0 *Hexahydro-4-methylphthalic anhydride CAS # 19438-60-9 *Hexahydro-1-methylphthalic anhydride CAS # 48122-14-1 *Hexahydro-3-methylphthalic anhydride CAS # 57110-29-9
109	TLLG4401-AS12	YES	>1000 ppm	*Hexahydromethylphthalic anhydride CAS # 25550-51-0 *Hexahydro-4-methylphthalic anhydride CAS # 19438-60-9 *Hexahydro-1-methylphthalic anhydride CAS # 48122-14-1 *Hexahydro-3-methylphthalic anhydride CAS # 57110-29-9
110	TLLG4401MS12	YES	>1000 ppm	*Hexahydromethylphthalic anhydride CAS # 25550-51-0 *Hexahydro-4-methylphthalic anhydride CAS # 19438-60-9 *Hexahydro-1-methylphthalic anhydride CAS # 48122-14-1 *Hexahydro-3-methylphthalic anhydride CAS # 57110-29-9
111	TLLR4400	YES	>1000 ppm	*Hexahydromethylphthalic anhydride CAS # 25550-51-0 *Hexahydro-4-methylphthalic anhydride CAS # 19438-60-9 *Hexahydro-1-methylphthalic anhydride CAS # 48122-14-1 *Hexahydro-3-methylphthalic anhydride CAS # 57110-29-9
112	TLLR4400AS12Z	YES	>1000 ppm	*Hexahydromethylphthalic anhydride CAS # 25550-51-0 *Hexahydro-4-methylphthalic anhydride CAS # 19438-60-9 *Hexahydro-1-methylphthalic anhydride CAS # 48122-14-1 *Hexahydro-3-methylphthalic anhydride CAS # 57110-29-9

113	TLLR4400-AS12Z	YES	>1000 ppm	*Hexahydromethylphthalic anhydride CAS # 25550-51-0 *Hexahydro-4-methylphthalic anhydride CAS # 19438-60-9 *Hexahydro-1-methylphthalic anhydride CAS # 48122-14-1 *Hexahydro-3-methylphthalic anhydride CAS # 57110-29-9
114	TLLR4401	YES	>1000 ppm	*Hexahydromethylphthalic anhydride CAS # 25550-51-0 *Hexahydro-4-methylphthalic anhydride CAS # 19438-60-9 *Hexahydro-1-methylphthalic anhydride CAS # 48122-14-1 *Hexahydro-3-methylphthalic anhydride CAS # 57110-29-9
115	TLLR4401-AS12	YES	>1000 ppm	*Hexahydromethylphthalic anhydride CAS # 25550-51-0 *Hexahydro-4-methylphthalic anhydride CAS # 19438-60-9 *Hexahydro-1-methylphthalic anhydride CAS # 48122-14-1 *Hexahydro-3-methylphthalic anhydride CAS # 57110-29-9
116	TLLR4401AS12Z	YES	>1000 ppm	*Hexahydromethylphthalic anhydride CAS # 25550-51-0 *Hexahydro-4-methylphthalic anhydride CAS # 19438-60-9 *Hexahydro-1-methylphthalic anhydride CAS # 48122-14-1 *Hexahydro-3-methylphthalic anhydride CAS # 57110-29-9
117	TLLR4401MS21	YES	>1000 ppm	*Hexahydromethylphthalic anhydride CAS # 25550-51-0 *Hexahydro-4-methylphthalic anhydride CAS # 19438-60-9 *Hexahydro-1-methylphthalic anhydride CAS # 48122-14-1 *Hexahydro-3-methylphthalic anhydride CAS # 57110-29-9
118	TLLY4400	YES	>1000 ppm	*Hexahydromethylphthalic anhydride CAS # 25550-51-0 *Hexahydro-4-methylphthalic anhydride CAS # 19438-60-9 *Hexahydro-1-methylphthalic anhydride CAS # 48122-14-1 *Hexahydro-3-methylphthalic anhydride CAS # 57110-29-9

119	TLLY4400-MS12	YES	>1000 ppm	*Hexahydromethylphthalic anhydride CAS # 25550-51-0 *Hexahydro-4-methylphthalic anhydride CAS # 19438-60-9 *Hexahydro-1-methylphthalic anhydride CAS # 48122-14-1 *Hexahydro-3-methylphthalic anhydride CAS # 57110-29-9
120	TLLY4401	YES	>1000 ppm	*Hexahydromethylphthalic anhydride CAS # 25550-51-0 *Hexahydro-4-methylphthalic anhydride CAS # 19438-60-9 *Hexahydro-1-methylphthalic anhydride CAS # 48122-14-1 *Hexahydro-3-methylphthalic anhydride CAS # 57110-29-9
121	TLLY4401-AS12	YES	>1000 ppm	*Hexahydromethylphthalic anhydride CAS # 25550-51-0 *Hexahydro-4-methylphthalic anhydride CAS # 19438-60-9 *Hexahydro-1-methylphthalic anhydride CAS # 48122-14-1 *Hexahydro-3-methylphthalic anhydride CAS # 57110-29-9
122	TLLY4401-AS12Z	YES	>1000 ppm	*Hexahydromethylphthalic anhydride CAS # 25550-51-0 *Hexahydro-4-methylphthalic anhydride CAS # 19438-60-9 *Hexahydro-1-methylphthalic anhydride CAS # 48122-14-1 *Hexahydro-3-methylphthalic anhydride CAS # 57110-29-9
123	TLLY4401-MS12	YES	>1000 ppm	*Hexahydromethylphthalic anhydride CAS # 25550-51-0 *Hexahydro-4-methylphthalic anhydride CAS # 19438-60-9 *Hexahydro-1-methylphthalic anhydride CAS # 48122-14-1 *Hexahydro-3-methylphthalic anhydride CAS # 57110-29-9
124	TLUR4400	YES	>1000 ppm	*Hexahydromethylphthalic anhydride CAS # 25550-51-0 *Hexahydro-4-methylphthalic anhydride CAS # 19438-60-9 *Hexahydro-1-methylphthalic anhydride CAS # 48122-14-1 *Hexahydro-3-methylphthalic anhydride CAS # 57110-29-9

125	TLUR4400-AS12	YES	>1000 ppm	*Hexahydromethylphthalic anhydride CAS # 25550-51-0 *Hexahydro-4-methylphthalic anhydride CAS # 19438-60-9 *Hexahydro-1-methylphthalic anhydride CAS # 48122-14-1 *Hexahydro-3-methylphthalic anhydride CAS # 57110-29-9
126	TLUR4401	YES	>1000 ppm	*Hexahydromethylphthalic anhydride CAS # 25550-51-0 *Hexahydro-4-methylphthalic anhydride CAS # 19438-60-9 *Hexahydro-1-methylphthalic anhydride CAS # 48122-14-1 *Hexahydro-3-methylphthalic anhydride CAS # 57110-29-9
127	TLUR4401-AS12Z	YES	>1000 ppm	*Hexahydromethylphthalic anhydride CAS # 25550-51-0 *Hexahydro-4-methylphthalic anhydride CAS # 19438-60-9 *Hexahydro-1-methylphthalic anhydride CAS # 48122-14-1 *Hexahydro-3-methylphthalic anhydride CAS # 57110-29-9
128	TLUR44K1L2	YES	>1000 ppm	*Hexahydromethylphthalic anhydride CAS # 25550-51-0 *Hexahydro-4-methylphthalic anhydride CAS # 19438-60-9 *Hexahydro-1-methylphthalic anhydride CAS # 48122-14-1 *Hexahydro-3-methylphthalic anhydride CAS # 57110-29-9
129	TLVD4200	YES	>1000 ppm	*Hexahydromethylphthalic anhydride CAS # 25550-51-0 *Hexahydro-4-methylphthalic anhydride CAS # 19438-60-9 *Hexahydro-1-methylphthalic anhydride CAS # 48122-14-1 *Hexahydro-3-methylphthalic anhydride CAS # 57110-29-9
130	TLVD42Q1S2	YES	>1000 ppm	*Hexahydromethylphthalic anhydride CAS # 25550-51-0 *Hexahydro-4-methylphthalic anhydride CAS # 19438-60-9 *Hexahydro-1-methylphthalic anhydride CAS # 48122-14-1 *Hexahydro-3-methylphthalic anhydride CAS # 57110-29-9

131	TLVG4200	YES	>1000 ppm	*Hexahydromethylphthalic anhydride CAS # 25550-51-0 *Hexahydro-4-methylphthalic anhydride CAS # 19438-60-9 *Hexahydro-1-methylphthalic anhydride CAS # 48122-14-1 *Hexahydro-3-methylphthalic anhydride CAS # 57110-29-9
132	TLVH4200	YES	>1000 ppm	*Hexahydromethylphthalic anhydride CAS # 25550-51-0 *Hexahydro-4-methylphthalic anhydride CAS # 19438-60-9 *Hexahydro-1-methylphthalic anhydride CAS # 48122-14-1 *Hexahydro-3-methylphthalic anhydride CAS # 57110-29-9
133	TEFD4300	YES	>1000 ppm	*Hexahydromethylphthalic anhydride CAS # 25550-51-0 *Hexahydro-4-methylphthalic anhydride CAS # 19438-60-9 *Hexahydro-1-methylphthalic anhydride CAS # 48122-14-1 *Hexahydro-3-methylphthalic anhydride CAS # 57110-29-9
134	TEFD4300F	YES	>1000 ppm	*Hexahydromethylphthalic anhydride CAS # 25550-51-0 *Hexahydro-4-methylphthalic anhydride CAS # 19438-60-9 *Hexahydro-1-methylphthalic anhydride CAS # 48122-14-1 *Hexahydro-3-methylphthalic anhydride CAS # 57110-29-9
135	TEFT4300	YES	>1000 ppm	*Hexahydromethylphthalic anhydride CAS # 25550-51-0 *Hexahydro-4-methylphthalic anhydride CAS # 19438-60-9 *Hexahydro-1-methylphthalic anhydride CAS # 48122-14-1 *Hexahydro-3-methylphthalic anhydride CAS # 57110-29-9
136	TEFT4303	YES	>1000 ppm	*Hexahydromethylphthalic anhydride CAS # 25550-51-0 *Hexahydro-4-methylphthalic anhydride CAS # 19438-60-9 *Hexahydro-1-methylphthalic anhydride CAS # 48122-14-1 *Hexahydro-3-methylphthalic anhydride CAS # 57110-29-9

*The SVHC content is not stable due to the conditions of the hardener where it is being used.