

## Nordic Semiconductor

### Non Use Warranty Letter

Document ID: CMPD-000351 Rev. 1.0

Nordic Semiconductor declares to prohibit the use of the following substances in our nRF products sold and marketed as green.

CHEMICAL	THRESHOLD LIMIT
<b>ROHS SUBSTANCES</b>	
Cadmium and its compounds	Less than 5 ppm
Lead and its compounds	Less than 1000 ppm
Mercury and its compounds	Less than 100 ppm
Hexavalent Chromium and its compounds	Less than 100 ppm
PBB (Polybromobiphenyl) and PBDE (Polybrominated biphenyl ethers)	Less than 100 ppm
<b>PHTHALATES</b>	
Di-2-ethylhexyl phthalate, DEHP	Less than 1000 ppm
Dibutyl phthalate, DBP	Less than 1000 ppm
Di-iso-nonyl phthalate, DINP	Less than 1000 ppm
Di-iso-decyl phthalate, DIDP	Less than 1000 ppm
Di-n-octyl phthalate, DnOP	Less than 1000 ppm
Benzyl butyl phthalate, BBP	Less than 1000 ppm
Di-isobutyl phthalate, DIBP	Less than 1000 ppm
Di-n-hexyl phthalate, DnHP	Less than 1000 ppm
Bis(2-methoxyethyl) phthalate, DMEP	Less than 1000 ppm
Di-n-pentyl phthalate, DnPP	Less than 1000 ppm
<b>HALOGEN</b>	
Bromine	900 ppm
Chlorine	900 ppm
Total concentration of Chlorine + Bromine	1500 ppm
Antimony	900 ppm
<b>HEAVY METALS ON PACKAGING MATERIALS</b>	
Sum of Pb, Hg, Cd and Cr6+ in Packing materials	Less than 100 ppm
<b>OTHER SUBSTANCES</b>	
Brominated organic compounds	
Chlorinated paraffins	
Polychlorinated biphenyls (PCB) category	

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CHEMICAL	THRESHOLD LIMIT
<b>OTHER SUBSTANCES</b>	
Polychlorinated naphthalene (PCN) category	
Organic Tin compounds (Tributyl tin category / Triphenyl tin category)	
Asbestos	
Azo compounds	
Mirex (Perchlordecone)	
Ozone depleting substances	
PFOS and PFOA	

The above is based on warrants and documentation from our suppliers and/or on sample based substance testing of our products.

**Authorized signatory for Nordic Semiconductor:**

  
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 Marifel Caraos  
 Hazardous Substances Manager

Date: August 1, 2016

**Contact information:**

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