

## List of Abbreviations

Abbreviation	Description
$^{13}\text{C}$ -NMR	<i>Carbon- Nuclear Magnetic Resonance Spectroscopy</i>
$^1\text{H}$ -NMR	<i>Proton- Nuclear Magnetic Resonance Spectroscopy</i>
AAS	<i>Atomic Absorption Spectroscopy</i>
ASTM	<i>American Standard of Testing Materials</i>
BFR	<i>Brominated Flame Retardants</i>
BPA	<i>Bisphenol-A</i>
$\text{CDCl}_3$ -d	<i>Dutro-Chloroform</i>
CFLs	<i>Compact Fluorescent Lamps</i>
DMA	<i>Di-methyl acetamide</i>
DMF	<i>Di-methyl formamide</i>
DMSO	<i>Dimethyl Sulfoxide</i>
FLs	<i>Fluorescent Lamps</i>
FT-IR	<i>Fourier Transform Infrared Spectroscopy</i>
GC	<i>Gas Chromatography</i>
HER	<i>Halogenated Epoxy Resin</i>
$\text{HNO}_3$	<i>Nitric Acid</i>
LEDs	<i>Liquid Colour Displays</i>
MPa	<i>Mega Pascal</i>
NaOH	<i>Sodium Hydroxide</i>
NMP	<i>N,N-dimethyl pyrrolidone</i>
NMR	<i>Nuclear Magnetic Resonance Spectroscopy</i>
PBB	<i>Polybrominated Biphenyls</i>

PBDE	<i>Polybromo diethyl ether</i>
PCBs	<i>Printed Circuit Boards</i>
PCDD	<i>Polychlorinated di-benzo-p-dioxins</i>
PCDF	<i>Polychlorinated di-benzofurans</i>
RAM	<i>Random Access Memory</i>
SEM-EDS	<i>Scanning Electron Microscopy- Energy Dispersive X-ray Spectroscopy</i>
T <sub>B.P.</sub>	<i>Boiling Point Temperature</i>
TBBA	<i>Tetrabromo bisphenol-A</i>
T <sub>g</sub>	<i>Glass Transition Temperature</i>
TGA-DTG	<i>Thermogravimetric Analysis- Differential Thermogravimetric Analysis</i>
UV-Vis	<i>Ultra Violet Visible Spectroscopy</i>
WEEE	<i>Waste Electrical and Electronic Equipment</i>
WPCBs	<i>Waste Printed Circuit Boards</i>
XRD	<i>X-Ray Diffraction Analysis</i>