

Abbreviations

MS	Mass Spectrometry
NMR	Nuclear magnetic resonance
IR	Infrared spectroscopy
FT-IR	Fourier Transform- Infrared Spectroscopy
LC-MS	Liquid chromatography – Mass spectrometry
API	Active Pharmaceutical Ingredient
LLE	Liquid liquid extraction
DLLME	Dispersive liquid liquid microextraction
SPME	Solid phase microextraction
SDME	Single drop microextraction
MASE	Microwave assisted extraction
UAE	Ultrasound assisted extraction
SFE	Super critical fluid extraction
ASE	Accelerated solvent extraction
HPLC	High Performance Liquid Chromatography
TLC	Thin layer chromatography
USEPA	United States Environmental Protection Agency
RP-HPLC	Reverse Phase High Performance Liquid Chromatography
GC-MS	Gas Chromatography- Mass Spectrometry
ESI-MS	Electron spray ionization – Mass Spectrometry
PTC	Phase transfer catalysis
BPA	Bis phenol A
PLE	ref 38
SBSE	Stir bar sorptive extraction
SPE	Solid phase extraction
HF-LPME	Hollow fibre – liquid phase microextraction
UALLME	Ultrasound assisted liquid liquid microextraction

Abbreviations

LPME	Liquid phase microextraction
DMSO	Dimethyl sulphoxide
CP	Chlorinated paraffin
VPA	Valproic acid
CPE	Cloud point extraction
TAN	1-(2-Thiazolylazo)-2-naphthol
POP	Persistent organic pollutant
PDMS	Polydimethyl siloxane
HPTLC	High Performance Thin Layer Chromatography
2D-TLC	Two Dimensional Thin Layer Chromatography
3D	Three Dimensional
PE	Petroleum ether
SEM	Scanning Electron Microscope
DTG	Derivative Thermogravimetry
MCC	Microcrystalline cellulose
R_F	Retention Factor
FE	Fuller's earth
PIXE	Proton induced X-ray emission
PIGE	Proton induced γ -ray emission
IBA	Ion beam analysis
INAA	Instrumental Neutron Activation Analysis
NAA	Neutron Activation Analysis
XRF	X-ray fluorescence
ICP-OES	Inductively coupled plasma – optical emission spectrometry
AAS	Atomic absorption spectrometry
^1H NMR	Proton Nuclear Magnetic Resonance
TA	Total Ash

Abbreviations

LOD	Loss on drying
MEA	Methanol extract ash
AEA	Absolute alcohol extract ash
M1	Manjistha Pune sample
M2	Manjistha Local sample
XRD	X-ray diffraction
PAE	Phthalate esters
DMP	Dimethyl phthalate
DEP	Diethyl phthalate
DBP	Di- <i>n</i> -butyl phthalate
PSDVB	Polystyrene divinyl benzene
FID	Flame Ionization detector
LDR	Linear Dynamic Range
LOD	Limit of detection
LOQ	Limit of quantitation
ACN	Acetonitrile
DI-SDME	Direct Immersion Single Drop Microextraction
HS-SDME	Headspace Single Drop Microextraction