



August 22, 2016

NEW PRODUCTS

NATIVE ORGANOPHOSPHATE REFERENCE STANDARDS

In order to aid researchers in the accurate quantitation of organophosphorus compounds in environmental samples, **Wellington** has produced certified reference standards for 14 new organophosphate compounds that are believed to be present at significant levels in commercial flame retardant mixtures such as FM-550 and FM-600. These new products complement our existing inventory of native and mass-labelled organophosphate reference standards.

NEW OPFR CERTIFIED REFERENCE STANDARDS...

| Catalogue Number | Product (toluene) | Qty | Conc |
|-------------------------|---|------------|-------------|
| B2tBPPP | Bis(2- <i>tert</i> -butylphenyl) phenyl phosphate | 1.2 ml | 50 µg/ml |
| B4tBPPP | Bis(4- <i>tert</i> -butylphenyl) phenyl phosphate | 1.2 ml | 50 µg/ml |
| 2tBPDP | 2- <i>tert</i> -Butylphenyl diphenyl phosphate | 1.2 ml | 50 µg/ml |
| 4tBPDP | 4- <i>tert</i> -Butylphenyl diphenyl phosphate | 1.2 ml | 50 µg/ml |
| T4tBPP | Tris(4- <i>tert</i> -butylphenyl) phosphate | 1.2 ml | 50 µg/ml |
| T3IPPP | Tris(3-isopropylphenyl) phosphate | 1.2 ml | 50 µg/ml |
| T4IPPP | Tris(4-isopropylphenyl) phosphate | 1.2 ml | 50 µg/ml |
| T34DMPP | Tris(3,4-dimethylphenyl) phosphate | 1.2 ml | 50 µg/ml |
| B24DIPPPP | Bis(2,4-diisopropylphenyl) phenyl phosphate | 1.2 ml | 50 µg/ml |
| B2IPPPP | Bis(2-isopropylphenyl) phenyl phosphate | 1.2 ml | 50 µg/ml |
| B4IPPPP | Bis(4-isopropylphenyl) phenyl phosphate | 1.2 ml | 50 µg/ml |
| 2IPDP | 2-Isopropylphenyl diphenyl phosphate | 1.2 ml | 50 µg/ml |
| 4IPDP | 4-Isopropylphenyl diphenyl phosphate | 1.2 ml | 50 µg/ml |
| 24DIPDP | 2,4-Diisopropylphenyl diphenyl phosphate | 1.2 ml | 50 µg/ml |

Wellington also offers native and mass-labelled certified reference standards for the “non-OPFR” components of FM-550.

| Catalogue Number | Product (toluene) | Qty | Conc |
|-------------------------|---|------------|-------------|
| MEHTBB | 2-Ethylhexyl-d ₁₇ 2,3,4,5-tetrabromo[¹³ C ₆]benzoate | 1.2 ml | 50 µg/ml |
| MBEHTBP | Bis(2-ethylhexyl-d ₁₇) tetrabromo[¹³ C ₆]phthalate | 1.2 ml | 50 µg/ml |
| EHTBB | 2-Ethylhexyl 2,3,4,5-tetrabromobenzoate | 1.2 ml | 50 µg/ml |
| BEHTBP | Bis(2-ethylhexyl) tetrabromophthalate | 1.2 ml | 50 µg/ml |

Please contact your local distributor or info@well-labs.com for pricing and delivery.

Visit our website (www.well-labs.com) for a complete listing of our new products.



Previously released native OPFRs...

| Catalogue Number | Product (toluene) | Qty | Conc |
|------------------|--|--------|------------|
| TPP | Triphenyl phosphate | 1.2 ml | 50 µg/ml |
| TOTP | Tri- <i>o</i> -tolyl phosphate | 1.2 ml | 50 µg/ml |
| TMTP | Tri- <i>m</i> -tolyl phosphate | 1.2 ml | 50 µg/ml |
| TPTP | Tri- <i>p</i> -tolyl phosphate | 1.2 ml | 50 µg/ml |
| T35DMPP | Tris(3,5-dimethylphenyl) phosphate | 1.2 ml | 50 µg/ml |
| T2IPPP | Tris(2-isopropylphenyl) phosphate | 1.2 ml | 50 µg/ml |
| TEP | Triethyl phosphate | 1.2 ml | 50 µg/ml |
| TPrP | Tri- <i>n</i> -propyl phosphate | 1.2 ml | 50 µg/ml |
| TBP | Tri- <i>n</i> -butyl phosphate | 1.2 ml | 50 µg/ml |
| TBEP | Tris(2-butoxyethyl) phosphate | 1.2 ml | 50 µg/ml |
| TDBPP | Tris(2,3-dibromopropyl) phosphate | 1.2 ml | 50 µg/ml |
| EHDP | 2-Ethylhexyl diphenyl phosphate | 1.2 ml | 50 µg/ml |
| TEHP | Tris(2-ethylhexyl) phosphate | 1.2 ml | 50 µg/ml |
| TCEP | Tris(2-chloroethyl) phosphate | 1.2 ml | 50 µg/ml |
| TCPP | Tris[(2 <i>R</i>)-1-chloro-2-propyl] phosphate | 1.2 ml | 50 µg/ml |
| TDCPP | Tris(1,3-dichloro-2-propyl) phosphate | 1.2 ml | 50 µg/ml |
| BDCP | Bis(1,3-dichloro-2-propyl) phosphate (97%purity in acetonitrile) | 1.2 ml | 48.5 µg/ml |

Previously released mass-labelled OPFRs...

| Catalogue Number | Product (toluene) | Qty | Conc |
|------------------|--|--------|----------|
| MTTP | ¹³ C ₁₈ -Triphenyl phosphate | 1.2 ml | 50 µg/ml |
| dTPP | Triphenyl phosphate-d ₁₅ | 1.2 ml | 50 µg/ml |
| dTEP | Triethyl phosphate-d ₁₅ | 1.2 ml | 50 µg/ml |
| dTPrP | Tri- <i>n</i> -propyl phosphate-d ₂₁ | 1.2 ml | 50 µg/ml |
| dTBP | Tri- <i>n</i> -butyl phosphate-d ₂₇ | 1.2 ml | 50 µg/ml |
| M6TBEP | Tris(2-butoxy-[¹³ C ₂]-ethyl) phosphate | 1.2 ml | 50 µg/ml |
| dTCEP | Tris(2-chloroethyl) phosphate-d ₁₂ | 1.2 ml | 50 µg/ml |
| dTDCPP | Tris(1,3-dichloro-2-propyl) phosphate-d ₁₅ | 1.2 ml | 50 µg/ml |
| dBDCP | Bis(1,3-dichloro-2-propyl) phosphate-d ₁₀ (in acetonitrile) | 1.2 ml | 50 µg/ml |

