

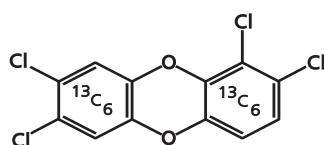


April 30, 2009

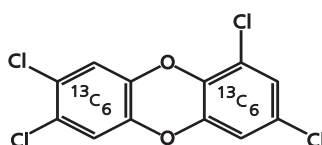
## **NEW PRODUCTS**

### **NEW MASS-LABELLED CHLORINATED DIBENZO-p-DIOXINS**

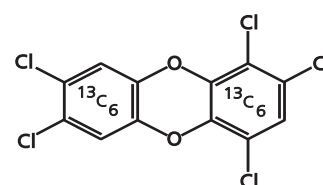
Recently, there has been significant interest in reference standards of mass-labelled chlorinated dibenzo-p-dioxins that are not fully substituted in the 2,3,7,8 positions and that do not co-elute with any of the 2,3,7,8-substituted PCDDs on the HRGC columns currently used for PCDD/PCDF analyses. This growing demand has prompted **Wellington** to introduce the following 5 reference standards.



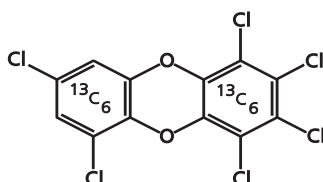
**MDD-1278**



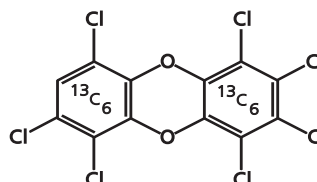
**MDD-1378**



**MDD-12478**



**MDD-123468**



**MDD-1234679**

These standards are ideal for use as internal, injection, or recovery standards and allow the analyst to use  $^{13}\text{C}$ -123789-HxCDD as an extraction standard rather than as an internal standard (as specified in some methods).  $^{13}\text{C}$ -1234679-HpCDD is also closer in retention time and mass to the  $^{13}\text{C}$ -OCDD and  $^{13}\text{C}$ -OCDF congeners making it better suited as an internal standard for these compounds than  $^{13}\text{C}$ -123789-HxCDD.

Catalogue Number	Product (toluene solution)	Qty/Conc
<b>MDD-1278</b>	1,2,7,8-Tetrachloro[ $^{13}\text{C}_{12}$ ]dibenzo-p-dioxin	1.2 ml 50 $\mu\text{g/ml}$
<b>MDD-1378</b>	1,3,7,8-Tetrachloro[ $^{13}\text{C}_{12}$ ]dibenzo-p-dioxin	1.2 ml 50 $\mu\text{g/ml}$
<b>MDD-12478</b>	1,2,4,7,8-Pentachloro[ $^{13}\text{C}_{12}$ ]dibenzo-p-dioxin	1.2 ml 50 $\mu\text{g/ml}$
<b>MDD-123468</b>	1,2,3,4,6,8-Hexachloro[ $^{13}\text{C}_{12}$ ]dibenzo-p-dioxin	1.2 ml 50 $\mu\text{g/ml}$
<b>MDD-1234679</b>	1,2,3,4,6,7,9-Heptachloro[ $^{13}\text{C}_{12}$ ]dibenzo-p-dioxin	1.2 ml 50 $\mu\text{g/ml}$

ISO 9001



CERT-0025901

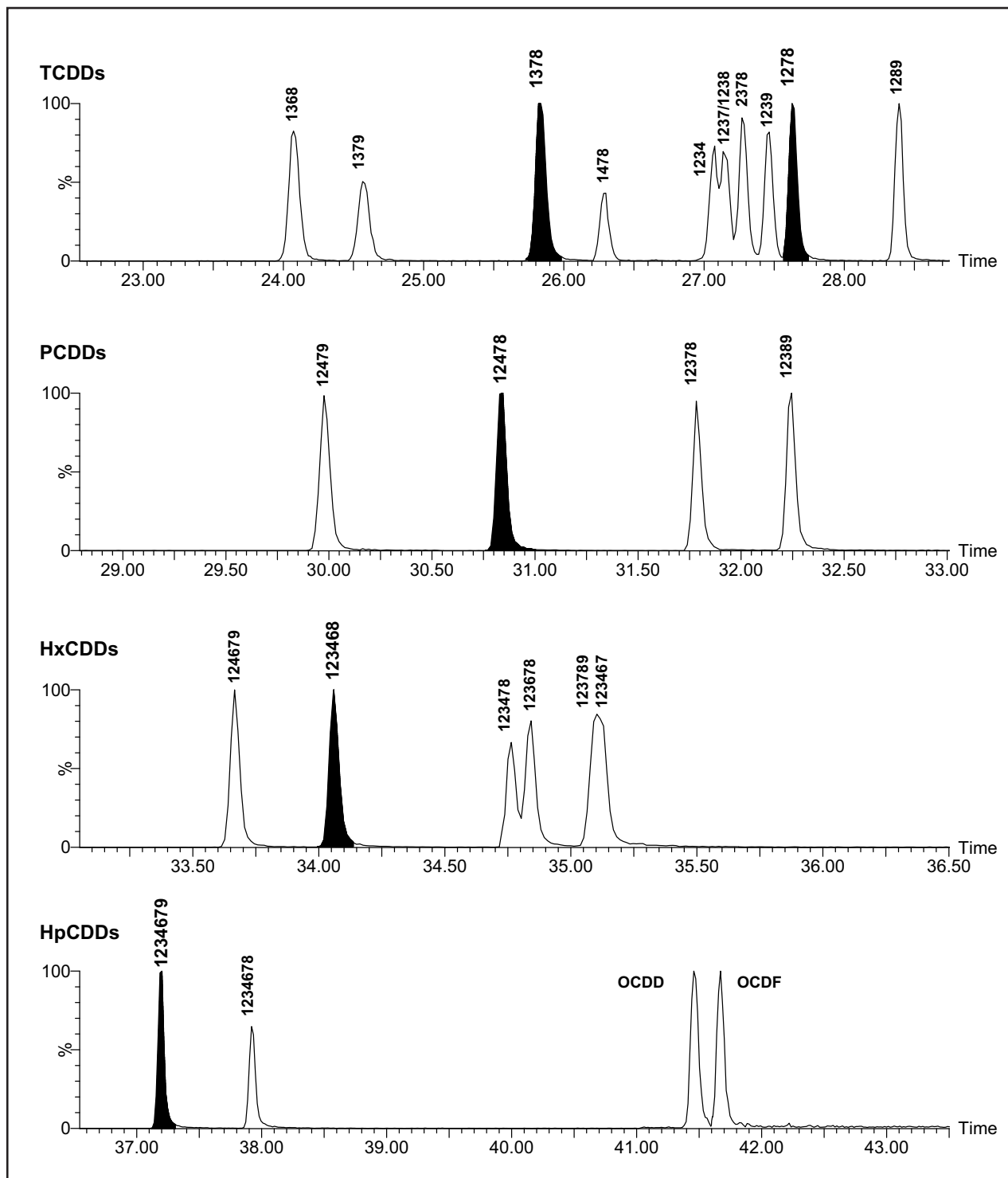


Figure 1: Chromatograms showing the separation of the new mass-labelled non-2,3,7,8 PCDD standards from 2,3,7,8-substituted PCDDs on a 60m DB-5 column.

Please contact your local distributor or [info@well-labs.com](mailto:info@well-labs.com) for pricing and delivery.

