



Rtx-2330

□ Rtx-2330

- Ideal for cis/trans fatty acid methyl ester separations.
- Primary column for the analysis of tetrachlorodibenzo-p-dioxin (TCDD) and polychlorodibenzofuran (PCDF) isomers.
- Enhanced column performance and lifetimes over other highly polar stationary phases.
- 275°C thermal stability.
- Solvent rinsing not recommended.
- Similar to SPB-2330, SP-233 I SP-238(1. and SP-2560 columns.

One of the most polar capillary column stationary phases is 90% biscyanopropyl/10% phenylcyanopropylsiloxane. Because of the presence of the cyano groups in the polymer backbone, the Rtx-2330 stationary phase possesses a strong dipole moment and is highly selective for cis/trans compounds or compounds with conjugated double bonds. The Rtx-2330 is widely used for analyzing the cis/trans isomers of fatty acid methyl esters (FAMES) and the isomers of tetrachlorodibenzo-p-dioxins (TCDDs) and polychlorodibenzofurans (PCDFs)

Although the highly polar columns are commonly used for several difficult applications, they typically suffer from poor column efficiencies, high bleed, and short column lifetimes when thermally cycled. To overcome some of these problems, Restek has developed a new surface treatment that is more compatible with the Rtx®-2330 phase. In addition, an improved polymer was synthesized to produce columns with improved column efficiency and lower bleed. The combination of the new surface treatment and the advanced polymer technology results in enhanced column lifetimes.

The Rtx®-2330 stationary phase is not completely bonded and should not be rinsed with solvents since some of the coating will be removed.

Applications:
FAMES, cis/trans isomers, TCDDs and TCDFs

Rtx-2330 (Fused Silica)

(90% biscyanopropyl/10% phenylcyanopropylsiloxane. Stable to 275C

ID	df(um)	temp. limits	15-Meter	30-Meter	60-Meter	105-Meter
0.25mm	0.10	0 to 260/275~C	10705	0708	10711	10714
	0.25	0 to 260/275°C	10721	10723	10726	10729
0.32mm	0.10	0 to 260/275°C	10706	10709	10712	10715
	0.20	0 to 260/275~C	10721	10724	10727	10730
0.53mm	0.10	0 to 260/275°C	10707	10711)	10713	
	0.20	0 to 260/275°C	10722	10725	10728	
ID	df(um)	temp. limits	10-Meter	20-Meter	40-Meter	
0.18mm	0.10	0 to 260/275°C	40701	40702	40703	

Rtx-2330 (Fused Silica)

(90% biscyanopropyl/10% phenylcyanopropylsiloxane. Stable to 275C

ID	df(um)	temp. limits	60-Meter
0.25mm	0.10	0 to 260/275°C	10716

Specially tested for dioxin analysis



Lori Miller
Accounts Payable/
Receivables, Customer
Services

* Rtx-2330 columns are NOT solvent rinsable

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