

VA Application Note No. V- 62

Title:	4-Carboxybenzaldehyde in polytheterephthalic acid
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Summary:	4-Carboxybenzaldehyde can be reduced directly on the DME in an solution containing ammonium
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Sample:	Sample of PTA (polytheterephthalic acid) containing CBA (4-carboxybenzaldehyde)
Sample Preparation:	Heat with ammonia (25 %) and dilute

4-Carboxybenzaldehyde:	
Electrolyte:	NH ₄ Cl buffer
AE:	Pt
RE:	Ag/AgCl/KCl 3M
Parameters:	DPPOL (-50 mV), DME U _{start} = -1050 mV, U _{end} = -1350 mV Ep (4-carboxybenzaldehyde) = -1200 mV

Results:	4-Carboxybenzaldehyde µg/g
	13.8

Determination of 4-carboxybenzaldehyde

