

Nov 890

Dolores M. Wente, St. Louis N3A

April 28, 1981

2,4-DICHLOROPHENOL
TRANSBAS, INC.

REW/DMW, 4/23/81

R. E. Walters B2SF

P. J. Arnall	B3NJ
E. Layton	1740
J.R.G.Ortiz	E2ND
R. C. Richardson	B2SG
J. D. Wilson	N3A

Here are the typicals and the ranges for all components of 0.1% and larger in 2,4-DCP that you requested.

2,4-Dichlorophenol	93.8% $\pm$ 1.0%
2,6-Dichlorophenol	2.6% $\pm$ 0.9%
p-Chlorophenol	0.6% $\pm$ 0.9%
2,4,6-Trichlorophenol	2.1% $\pm$ 1.2%
Phenol	0.1% $\pm$ 0.2%
o-Chlorophenol	0.7% $\pm$ 0.6%

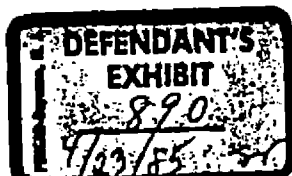
Attached is Analytical Method 13,086 which outlines the Gas Liquid Chromatographic procedure for determination of assay of chlorophenols.

J. D. Wilson furnished this statement on "dioxin" content. A retrospective analysis of 15 lots of 2,4-Dichlorophenol produced between May and November 1980 showed no detectable amount of tetrachlorodibenzodioxin in any of the samples. The analytical method used was capable of detecting 1 ng of 2,3,7,8-Tetrachlorodibenzodioxin per g of 2,4-Dichlorophenol (1 ppb, or 0.001 ppm). The method included extraction with petroleum ether of a solution of DCP in 1 N KOH, followed by fractionation on a basic alumina column and analysis by GC/MS. Recoveries of spiked 2,3,7,8-TCDD were in the range of 78-103% in this series of experiments.

If you need further information, let me know.

C02888

Attachment



Dolores M. Wente

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