

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
GAS CHROMATOGRAPHY ABSTRACTING SERVICE																																																																																																			
5-8-65 No. 65-06423																																																																																																			
ANALYSIS OF MIXTURES OF POLYPHENYLS BY CAPILLARY COLUMN GAS CHROMATOGRAPHY																																																																																																			
Nazzareno Basili, Corrado Bordonali and Corrado Patimo (Div.Chem.Ind. CNEN-CSN. 2																																																																																																			
Casaccia, Italy)																																																																																																			
Ann. Chim. (Rome) 54, No. 11: 1081-1087 (Nov. 1964) (In Italian)																																																																																																			
A temp. programmed capillary col. GC method for anal. of polyphenyls is described.																																																																																																			
The operating temps. for cond. I were as follows: starting temp. 100°C. increased																																																																																																			
at a rate of 6.6°C/min.; for cond. IIa: 100°C for the first 1.8 mins, then in-																																																																																																			
creased at a rate of 6.6°C/min; IIb: 150°C for the first 1.8 mins, then increased																																																																																																			
at 6.6°C/min. Columns coated with SE-52 gave better separations.																																																																																																			
Inst. F and M Model 500, modified Det. FID																																																																																																			
Col. L/d I- 18-m x 0,3-mm; II- 30-m x 0,3-mm																																																																																																			
Stat. Ph./Conc. I- Apiezon L; II- SE-52 Support/mesh size: --																																																																																																			
Carrier gas/flow rate: He; I- 3 ml/min, II- 1,8 ml/min																																																																																																			
Oper. temp. See above																																																																																																			
Ret. data - tabulated 1087 curves chromatograms 1084-1086																																																																																																			
Remarks: A mixt. of o-, m-, and p-terphenyls was sep. under cond. I and IIa. A syn																																																																																																			
mixt. of polyphenyls and Santowax R were sep. under cond. IIb.																																																																																																			
Compds. Sep'd.: o-, m-, and p-terphenyl, triphenylene, 1-2-3-, 1-2-4-, and 1-3-5-																																																																																																			
triphenylbenzene, o-o-, o-m-, o-p-, m-m-, m-p-, and p-p-quaterphenyl.																																																																																																			
89-54																																																																																																			
PRESTON TECHNICAL ABSTRACTS CO., 1718 SHERMAN AVE., EVANSTON, ILL.-COPYRIGHTED 1964																																																																																																			

0067649