

TABLE III
ANALYSES OF CATALYSTS

Run	63 S.D.*	64, 65, 66 Raw*	64 A *	64 S.D.**	65 Red.*	65 A *	65 S.D.*	66 A	66 C	66 D *	66 S.D.*
Screen Analysis, Weight Per Cent											
On U.S. No.											
40 (420 microns)	2.0	0.6	1.2	0.4	1.0			0.8	1.0	0.5	1.0
100 (150 microns)	48.3	45.3	53.4		52.7			63.8	68.4	58.1	70.6
150 (105 microns)	23.4	16.9	19.0	20.3	19.2			21.0	19.2	21.4	25.2
200 (74 microns)	14.8	12.1	11.0	71.5	12.7			9.6	7.8	13.0	2.0
250 (62 microns)	5.1	3.4	5.4	2.2	1.4			4.0	2.6	2.6	0.4
325 (44 microns)	4.3	10.4	7.6	5.7	8.1			0.4	0.6	3.8	0.2
Through 325	2.1	11.3	2.4	2.0	4.9			0.4	0.4	0.6	0.6
50 Per Cent Point, microns	150	140	150	95	150			180	190	170	190
Bulk Density, lbs/cu. ft.											
Aerated	151		157	131	139	139	133	146	140		120
Settled	156		159	132	140	140	135	148	141		121
Compacted	172		187	159	174	186	160	180	174		128
Specific Gravity	4.93		5.90	3.98	6.44	5.35	3.74	4.98	3.66		4.82
Per Cent Iron				78.2	97.7		77.6				74.4
Per Cent Oil Soluble in CCl ₄	1.8			0.15							
Per Cent Carbon after extraction with CCl ₄				11.2							
Per Cent K ₂ O basis Fe					1.17						

*S.D.=catalyst sampled after reactor shutdown; Raw = catalyst before reduction;
Red.:catalyst sampled after reduction but before cutting in feed gas.