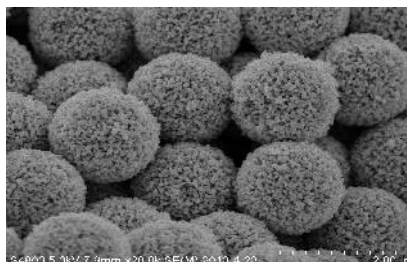
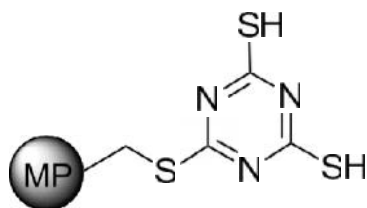


MP-TMT Highlight - Metal scavenging with resins / silicas in DMF



		Pd(OAc)₂	CuCl₂ - 2H₂O	ZnCl₂	CoCl₂ - 6H₂O	Ni(OAc)₂ - 4H₂O	FeCl₃ - 6H₂O
	Loading (mmol/g)	3 eq (ppm)	3 eq (ppm)	3 eq (ppm)	3 eq (ppm)	3 eq (ppm)	3 eq (ppm)
MP Polyamine (Nexgen)	1.71	0	0	0	0	15	0
MP-TMT (Nexgen)	1.51	0	-	-	-	-	-
Polyamine (Purolite S985)	3.1	-	-	-	-	-	-
Polyamine (Purolite S992)	1.52	-	-	-	-	-	-
Polyamine (Purolite A149)	1.7	-	-	-	-	-	-
Polyamine (Purolite A170)	0.8	-	-	-	-	-	-
MP-Thiol (Purolite S924)	7.7	-	-	-	-	-	-
Thiourea (Purolite S914)	2.5	196	-	-	-	-	-
Thiourea (Purolite TP214)	1.68	209	-	-	-	-	-
MP-Iminodiacetic (Purolite S930)	3.21	-	-	-	-	-	-
Aldoxime (Purolite S910)	6.95	-	-	-	-	-	-
QuadraPure BZA	1.3	562	0	1	0	231	27
QuadraPure BDZ	1.3	466	697	718	735	353	696
QuadraPure TU	1.3	646	0	235	307	482	505
QuadraPure DET	1	1157	1174	1176	1048	849	1033
QuadraPure IDA	1.3	1429	832	1116	982	441	886
QuadraPure AMPA	1.3	1279	1220	1044	998	374	836
SiliaMet DMT	0.62	50	22	310	214	5	442
SiliaMet Triamine	1.28	53	2	7	0	13	0
SiliaMet TAAcOH	0.44	68	61	490	244	3	286
SiliaMet TAAONa	0.45	58	0	1	0	1	0
SiliaMet Thiol	1.28	52	1226	1151	1129	392	1088
SiliaMet Thiourea	1.08	44	208	957	946	3	1079
SiliaMet Imidazole	1.16	60	11	49	53	904	127
SiliaMet Cysteine	0.35	44	278	197	84	6	20

Scavenging experimental procedure:

Resins were added to 10mL stock solutions (2000 ppm) of catalyst in DMF at room temperature and stirred for 2 hours.

Rinsed with DMF (3x2mL).

The DMF solutions were analyzed by Atomic Absorption (detection limit: 0.5 ppm)

"0 ppm" means less than the limit of detection (e.g.: 0.5 ppm).

"- ppm" means that the colored solution was still visible and wasn't analyzed.