



Organic and Inorganic Values

Inorganic radical	Inorganic value
Light metal	500<
Heavy metal, amine and NH ₄ salt	400<
-AsO ₃ H ₂ , >AsO ₂ H	300
-SO ₂ -NH-CO-, -N=N-NH ₂	260
=>N ⁺ -OH, -SO ₃ H, -NHSO ₂ -NH	250
-CO-NHCO-NHCO-	250
≡S-OH, -CONH-CONH-, SO ₂ NH-	240
-CS-NH-, -CONH-CO-	230
=N-OH, -NHCONH-	220
=N-NH-, -CONH-NH ₂	210
-CONH-	200
≡N→O	170
-COOH	150
Lactone cyclization	120
-CO-O-CO-	110
Anthracene nucleus, Phenanthrene nucleus	105
-OH	100
>Hg (covalent bond)	95
-NH-NH, -O-CO-O-	80
-N<, (-NH ₂ , -NH ϕ , -NH ϕ ₂) amine	70
>CO	65
-COO ϕ , Naphthalene nucleus, Quinoline nucleus	60
>C=NH	50
-O-O-	40
-N=N-	30
-O-	20
Benzene nucleus (general aromatic monocycle), Pyridine nucleus	15
Ring (general non-aromatic monocycle)	10
Triple bond	3
Double bond	2
-(OCH ₂ CH ₂)-, under normal temperature	75
(Temp. > Cloud point)	(20)

Organic and Inorganic values	Organic value	Inorganic value
R ₄ Bi-OH	80	250
R ₄ Sb-OH	60	250
R ₄ As-OH	40	250
R ₄ P-OH	20	250
-O-SO ₃ H	20	220
>SO ₂	40	170
>SO	40	140
-CSSH	100	80
-SCN	90	80
-CSOH, -COSH	80	80
-NCS	90	75
-Bi<	80	70
-NO ₂	70	70
-Sb<	60	70
-As<, -CN	40	70
-P<	20	70
-CSS ϕ	130	50
-CSO ϕ , -COS ϕ	80	50
-NO	50	50
-O-NO ₂	60	40
-NC	40	40
-Sb=Sb-	90	30
-As=As-	60	30
-P=P-, -NCO-	30	30
-O-NO, -SH, -S-	40	20
-I	80	10
-Br	60	10
=S	50	10
-Cl	40	10
-F	5	5
Iso branch 	-10	0
Tert branch 	-20	0

※ R=alkyl, ϕ =alkyl or phenyl

*Organic value (OV) = 「C_n×20」 + 「Organic value of Organic and Inorganic values」 + 「branch」

*Inorganic value (IV) = 「Inorganic value of Inorganic radical」 + 「Inorganic value of Organic and Inorganic values」