

Standard for Chemical Testing

單位 : mg/kg dw		Composting ¹	Soil ²			Water	
Metals	金屬	Standard (mg/kg dw)	Threshold Value ³ 閾限值 (mg/kg dw)	農用地土壤污染風險篩選值 Risk screening value (mg/kg dw)	農用地土壤污染風險管制值 Risk Intervention value (mg/kg dw)	Standard (mg/L)	Standard (µg/L)
Arsenic	砷	<=10	75.0	30	120	0.05	50
Cadmium	鎘	<=1.5	1.7	0.3	3	0.005	5
Chromium	鉻	<=100	600	200	1000	0.1	100
Lead	鉛	<=100	410.0	120	700	0.1	100
Mercury	汞/水銀	<=1	3.20	2.4	4	0.001	1
				Soil Quality Regulations 2022 Target Value (mg/kg dw)	The Environmental Activities Decree Intervention values (干預水平) (mg/kg dw)		
Antimony	銻	-	13	4	22	-	-
Barium	鋇	-	461	1	920	-	-
Cobalt	鈷	-	103	15	190	-	-
Copper	銅	<=300	115	40	190	1	1000
Molybdenum	鉬	-	96	1.5	190	-	-
Nickel	鎳	<=50	68	35	100	-	-
Zinc	鋅	<=600	430	140	720	2	2000
Cyanide	氰化物	-	-	free = 3.0 complex=5.5	-	0.5	500
Selenium	硒	<=2	-	-	-	0.02	20

1: Sourced from Compost and Soil Conditioner Quality Standards 2021

2: Sourced from GB 15618 - 2-18, Soil Quality Regulations 2022 & The Environmental Activities Decree

3: Threshold value = (Intervention value + Target value) / 2 or (Risk Intervention value + Risk screening value) / 2

Remarks:

Test value > Intervention value or Risk Intervention value,
reject application

Intervention value or Risk intervention value > Test value > Threshold value
detail soil sampling for all fields and require remedial action taken by the applicant until rectified.

Threshold value > Test value > Risk screening value or Target Value,
remind applicant to carry remedial action if necessary.