Comparison table for HKORC Compost and Soil Conditioner Quality Standards (2005) and Recommended New HKORC Standard for Compost and Soil Conditioner (the modifications were highlighted in red)

	HKORC Compost and Soil Condit	KORC Compost and Soil Conditioner Quality Standards (2005)		Recommended New HKORC Compost and Soil Conditioner Quality Standards		
	Seed Germina	tion Index: $\geq 80\%$	Seed Germin	nation Index: $\geq 50\%^*$		
ß	Group A	Group B	Group A*	Group B*		
mpo	Ammonia conc. ≤ 700 mg/kg dw	C/N ratio ≤ 25	Ammonia conc. \leq 500 mg/kg dw	C/N ratio ≤ 20		
Compost Maturity	Ammonia: nitrate ratio ≤ 3	Oxygen demand ≤ 0.4 g O ₂ /kg TS/hr	Ammonia: nitrate ratio: no need to test	Oxygen demand ≤ 0.4 g O ₂ /kg TS/hr		
ırity	Volatile organic acids conc. ≤ 500	Carbon dioxide evolution	Volatile organic acids conc.:	Carbon dioxide evolution		
	ppm dw	≤ 2 g C/kg VS/day	no need to test	≤ 2 g C/kg VS/day		
	Foreign matter: Stone larger than 5 mm: ≤ 5% dw, Man-made foreign matters include glass, plastic and metal larger than 2 mm ≤ 0.5% dw Heavy metal (Unit : mg/kg dw)					
-		Organic farming	General agricultural use	Non-agricultural use		
Com	Arsenic	≤ 10	≤ 13	≤ 41		
post	Cadmium	≤ 1.5	≤ 3	≤ 39		
Compost Quality	Chromium	≤ 100	≤ 210	≤ 1,200		
ılity	Copper	≤ 300	≤ 700	≤ 1,500		
	Mercury	≤ 1	≤ 1	≤ 17		
	Nickel	≤ 5 0	≤ 62	≤ 420		

Selenium	≤ 2	≤ 5	≤ 36		
Zinc	≤ 600	≤ 1,300	≤ 2,800		
Physicochemical properties					
pH: 5.5 – 8.5		pH: 5.5 – 8.5			
Organic matter > 20% dw		Organic matter > 20% dw			
Moisture 25 – 35%		Moisture 25 – 45%			
Pat	hogen: Salmonella sp. \leq 3 MPN	$1/4$ g , <i>Escherichia coli</i> (<i>E. coli</i>) \leq	1,000 MPN/g		
N	itrient contents: total nitrogen -	+ total phosphorus + total potassiu	$m \ge 4\% dw$		

* If the SGI is < 50%, EC, Group A (Ammonia conc.) and Group B (C/N ratio, and/or Oxygen demand and Carbon dioxide evolution) should be tested to further evaluate the compost maturity and stability according to the flowchart for determination of compost. If the SGI is \geq 50%, then the compost is mature and stable, no other chemical characterization **testing of Group A, Group B and EC** is needed