

Supplementary material to “CO₂ methanation over Ni-Al and Co-Al LDH-derived catalysts: The role of basicity”

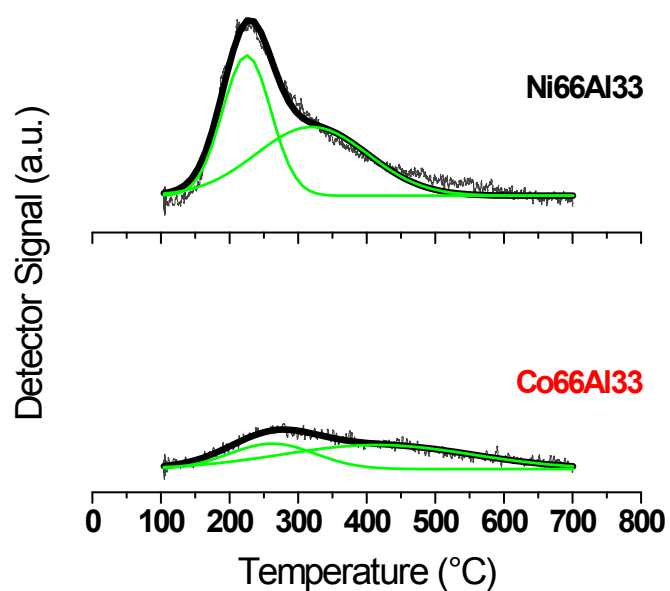


Figure S1. NH₃-TPD curves for the different samples.

Table S1 – Deconvolution of NH₃-TPD profiles for the samples.

Catalyst	Temperature (°C)		Fraction of the total sites (%)		Total area of acidic sites (a.u.)
	1 st peak	2 nd peak	Weak acids sites	Medium acids sites	
Ni66Al33	225	320	144 (46.9)	162 (53.1)	306
Co66Al33	262	415	41 (32.8)	85 (67.8)	126

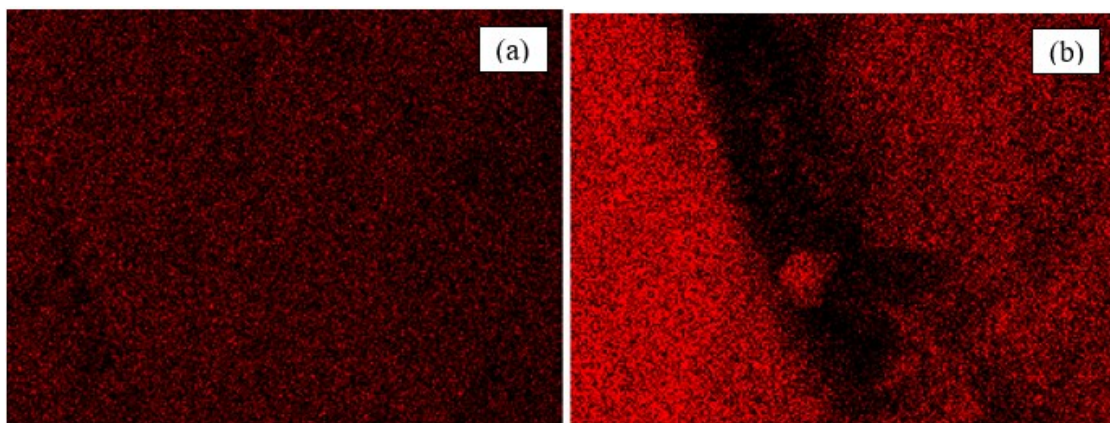


Figure S2. Al distribution by EDS mapping of catalysts after the stability reactions, where: (a) Ni₆₆Al₃₃ and (b) Co₆₆Al₃₃.