

## Supplementary Materials

*Article*

# Mineralogical and geochemical characterization of asbestiform todorokite, birnessite and ranciéite and their host Mn-rich deposits from Serra D'Aiello (Southern Italy)

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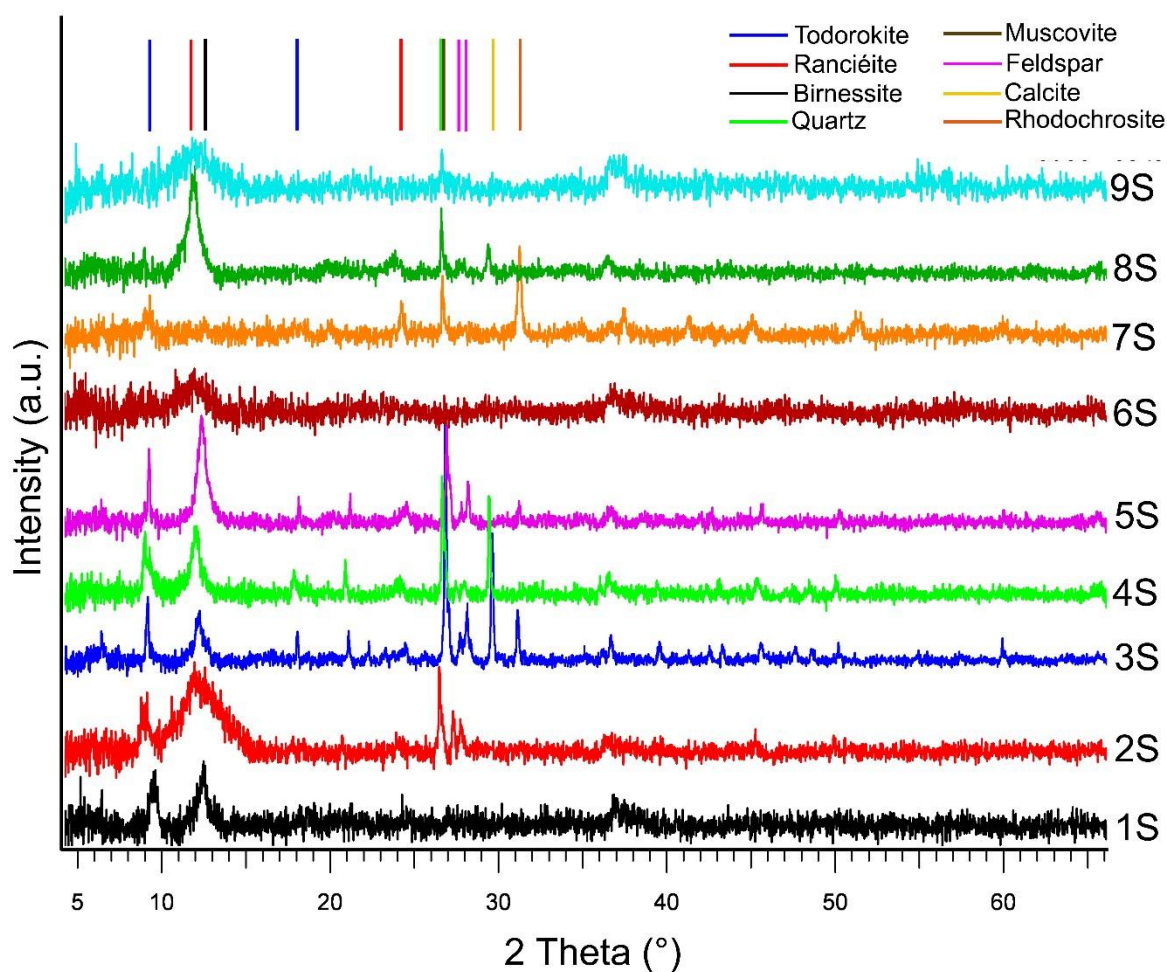
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**Figure S1.** XRPD pattern of the samples examined. Peaks were assigned according to literature (International Centre for Diffraction Data (2005). ICDD Products/PDF-2, <http://www.icdd.com/products/pdf2.htm>).

**Table S1.** Threshold values of potential hazardous elements in soils, groundwaters (Italian Legislative Decree N°.152 of 03/04/2006) and air (NIOSH, 2007).

Elements	SOIL	WATER	AIR
	Thresholds Italian Law D.Lgs. 152/2006	Thresholds Italian Law D.Lgs. 152/2006	Thresholds NIOSH 2007
	LIMIT A (mg/kg)	(µg/L)	(TWA-mg/m <sup>3</sup> )
Cr	150	50	0.5
Cu	120	1000	1
Ni	120	20	0.015
Pb	100	10	0.05
V	90	-	-
Co	20	50	0.05
Zn	150	3000	-