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Microtextural, Spectroscopic and Chemical Characterization of Amazonite from the Serra Branca Pegmatite, Northeastern Brazil
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Supplementary Material

S1 – List of samples and their descriptions.

Sample label	Location	Description	Performed analyses
AM-01	Amazonite rich-zone from the main body	Amazonite of the first magmatic generation from the upper part of amazonite-rich zone with an intense bluish green color and albite intergrowth	OPM; Refractometry and birefringence; XRD; FTIR; Reflectance spectroscopy; EPMA; LA-ICP-MS
AM-02	Amazonite rich-zone from the main body	Amazonite of the first generation from the center part of the amazonite-rich zone with an intense bluish green color and albite intergrowth	OPM; Refractometry and birefringence; XRD; FTIR; Reflectance spectroscopy; EPMA; LA-ICP-MS
AM-03	Amazonite rich-zone from the main body	Amazonite of the first generation from the lower part of the amazonite-rich zone with an intense bluish green color and albite intergrowth	OPM; Refractometry and birefringence; XRD; FTIR; Reflectance spectroscopy; EPMA; LA-ICP-MS
AM-04	Mine tailing	Amazonite with bluish green color and albite intergrowth	XRD; FTIR; Reflectance spectroscopy; Specific gravity, refractometry and birefringence
AM-05	Mine tailing	Amazonite with bluish green color and albite intergrowth	XRD; FTIR; Reflectance spectroscopy; Refractometry and birefringence
AM-06	Mine tailing	Amazonite with an intense bluish green color and albite intergrowth	XRD; FTIR; Reflectance spectroscopy; Refractometry and birefringence
AM-07	Mine tailing	Amazonite with a lighter bluish green color and albite intergrowth	XRD; FTIR; Reflectance spectroscopy; Refractometry and birefringence
AM-08	Mine tailing	Amazonite with an intense bluish green color and albite intergrowth	XRD; FTIR; Reflectance spectroscopy; Refractometry and birefringence
AM-09	Mine tailing	Amazonite with a lighter bluish green color and albite intergrowth	XRD; FTIR; Reflectance spectroscopy; Refractometry and birefringence
AM-10	Mine tailing	Amazonite with a lighter bluish green color and albite intergrowth	XRD; FTIR; Reflectance spectroscopy;

			Refractometry and birefringence
AM-11	Mine tailing	Amazonite with an intense bluish green color and albite intergrowth	XRD; FTIR; Reflectance spectroscopy; Refractometry and birefringence
AM-13	Mine tailing	Amazonite with bluish green color and a great concentration of albite intergrowth	Specific gravity
AM-14	Mine tailing	Amazonite with bluish green color and a great concentration of albite intergrowth	Specific gravity
AM-15	Mine tailing	Amazonite with a lighter bluish green color and a great concentration of albite intergrowth	Specific gravity
AM-16	Mine tailing	Amazonite with an intense bluish green color and a minor concentration of albite intergrowth	Specific gravity
AMZ-28D	Amazonite rich-zone from the minor intrusive body	Amazonite of the second magmatic generation from the amazonite-rich zone with a bluish green color and albite intergrowth	OPM; XRD; FTIR; EPMA; LA-ICP-MS
AMZ-43	Mine tailing	Amazonite with an intense bluish green color and a great concentration of albite intergrowth	Specific gravity
AMZ-48	Mine tailing	Amazonita verde azulada translúcida com intercrescimento de albita	Specific gravity