

BRAZILIAN MINERALS WITH SPA BENEFITS

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Abstract

Through literature review, it is observed that abiotic substances, geomaterials, mineral products, inorganic ingredients-chemical elements; are widely used in traditional integrative complementary medicine (TCAIM). As well as, geomedicine, SPA therapy, naturopathy and health resort medicine tourism. The geological materials in healing or even aesthetic uses are known since prehistoric times and still today are important pharmaceuticals inputs and NTF - natural therapeutic factors (resources) to the sustainable development activities. Various expositions forms are possible (dermal, inhalations, ingestions, therapeutic or epidemiological) to the biologically active compounds (BAC) effectiveness reviewed. These results (Table 1), intend support future, clinical trials and health resort SPA tourism marketing strategy.

References

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Table 1.

SPA MINERAL	FEATURE	PLACE
Radon	Gas	Aguas de Lindoia/SP
CO2	Gas, Water	Caxambú/MG
Radionuclides	Water	Aguas da Prata/SP
Trace Elements	Water	Cipó/BA
SiO2	Water	Soure/PA
pH Alkaline	Water	Ibirá/SP
Geothermal	Water	Caldas Novas/GO
Natural H2O	Clean Pools	Mucugê/BA
Natural H2O	Warm Baths	Bonito/MS
Hot Sand	Beach, Dune	Santo Amaro/MA
Black Mud	Clay	Peruíbe/SP
Bentonite	Clay	Boa Vista/PB
Al Kaolinite	Clay	Camaçari/BA
Fe Illite	Clay	Itabira/MG
Black Sand	Beach	Meaípe/ES
Monazite	Sand	Cumuruxatiba/BA
Iron Ore	Rock	Belo Horizonte/MG
Bitumen	Sand, Rock	Anhembi/SP
Marine Salt	Crystal	Cabo Frio/RJ
Wetland Salt	Crystal	Nhecolândia/MS
Hypersaline	Mother Water	Mossoró/RN
Hot Sea	Beach Water	Porto de Galinhas/PE
NAI – O2	Air	Foz do Iguaçu/PR
BVOC	Air	Manaus/AM
HNBRa	Air	Guarapari/ES
Flint	Crystal	Charqueada/SP
Quartz	Crystal	Cristalina/GO
Amethyst	Crystal	Ametista do Sul/RS

Tourmaline	Crystal	Conceição do Mato Dentro/MG
Organic Sedimentary	Crystal	Saltinho/SP
Shungite	Coal Crystal	Criciúma/SC
Organic Sedimentary	Water	Águas de São Pedro/SP
Extremely Low Concentrations	Water	Jaciara/MT
Magnetite	Crystal	Ouro Preto/MG
Zeolite	Crystal	Macedonia/SP
Basalt	Rock	São Pedro/SP
Karst	Rock	Lagoa Santa/MG
Ornamental Stones	Rock	São Tomé das Letras/MG
Gemstones	Crystal	Teófilo Otoni/MG
Paleo-Volcanic	Rock	Poços de Caldas/MG

Key words: geomedicine, healing geomaterials, vibrational energy medicine, crystal therapy, activated waters, gem-water, natural elixires, TCAIM.