

Hamam Mellegue, Governorate of Kef (N°50)

Current operation situation

- The thermal waters feed the Roman pools used as a traditional Hamam.

Catchment improvement prospects

The flow may be improved by :

- An optimal pumping regime estimated following a pumping test at 5 l/s, with the absolute requirement of cleaning.
- Enlarging the well by installing lateral drains.
- Developing a borehole 420-m deep in the region of Hmaïma 60-km from the spring source to provide water with the same chemical and thermal qualities.
- Developing a borehole 1500-m deep, at 2 kilometers north-west of the source, with a temperature of 60°C.

Geographical situation

- The Hamam is 13 km north-west of the town of El Kef.
- Localisation
 - Carte géographique au 1/50000 du kef, n°44
 - Latitude : 40G 20° 75°
 - Longitude : 6G 94°
 - Altitude : 300 m

Water characteristics

- Flow : 2.5 l/s * Temperature : 42°C
- pH : 7 * Dry residue : 8.5 g/l

Chemical composition

Cation (mg/l)		Anions (mg/l)		Trace elements (mg/l)			
Ca ⁺⁺	293	HCO ₃	549	So ₂	36	Fu	0.97
Mg ⁺⁺	70.5	SO ₄ ⁻	415.7	Sr	23.2	Mn	0.08
Na ⁺	2600	Cl	4792.5	B	0.8	Zn	0.174
K ⁺	55			P	2		
				La	0.36		
				Rh	0.1		

(Source : 'La Tunisie Thermale', Jellouli 2000)

Classification : Eau CHLORUREE SODIQUE ET MAGNESIENNE

Therapeutic indications: Rheumatology. Dermatology. Phlebology. Gynaecology.