



**EVALUATION OF SUN PROTECTION
BY SPF DETERMINATION (FDA) - 80 MINUTE WATER IMMERSION**

(Batch manufactured 21 Nov 2018)

AMA Lab No.: P-3075

Client No.: **DrSharad Mineral Sunscreen formula # 61-018 R00**

Subject ID #	Sex	MED/ Hr	I (Amps)	Skin Type	MED I J/m ²	MED II J/m ²	STD (7%PadO/ 3%Oxyb)	SPF Values		
								WR Control	Static	WR
41 2167	F	128.4	6.0	III	28.44	28.44	16.30	15.00	47.00	47.00
62 7072	F	126.7	6.0	II	28.44	28.44	16.30	18.00	47.00	47.00
74 5879	M	126.9	6.0	III	55.55	55.55	18.75	18.00	54.05	47.00
58 5653	F	126.8	6.0	II	44.44	69.44	16.30	15.00	47.00	47.00
56 2197	F	127.8	6.0	II	55.55	55.55	16.30	15.00	54.05	54.05
70 7071	F	128.5	6.0	II	55.55	55.55	18.75	21.60	54.05	54.05
90 0774	F	127.6	6.0	II	44.44	55.55	16.30	15.00	54.05	47.00
74 0220	F	126.8	6.0	II	44.44	55.55	18.75	18.00	62.04	54.05
70 7072	F	126.0	6.0	II	35.55	35.55	16.30	15.00	57.05	47.00
58 9780	F	127.3	6.0	II	35.55	35.55	18.75	18.00	62.04	54.05
MEAN (x)							17.28	16.86	53.83	49.82
STANDARD DEV (s)							1.27	2.24	5.63	3.64
STD. ERROR							0.40	0.71	1.78	1.15
S.E. % OF MEAN							2.31	4.21	3.31	2.31
N							10	10	10	10
UPPER 5% t DIST.							2.2622	2.2622	1.8331	1.8331
A VALUES							0.9051	1.5989	3.2639	2.1104
LABEL SPF							16	15	50	47

MED: Minimal Erythral Dose

I: Intensity of light source