

CASTRONUÑO
MINERALES PESADOS
RAYOS X



Ibergesa

Ibérica de Especialidades Geotécnicas, S.A.

C A S T R O N U Ñ O

MINERALES PESADOS

MINERALES PESADOS (MAGNA) IBERGESA

Muestra	Circón %	Turmalina %	Andalucita %	Monacita %	Rutilo %	Estauroilita %	Granaite %	Topacio %	Distena %	Epidoita %	Opacos %	Alteritas %
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Hoja 14-16 (Castronuño)

Bóveda de Toro

JM-131 3.0 14.0 27.5 - 3.0 3.5 6.0 1.5 4.5 - 6.0 31.0

Cuestas Medrosas

JM-132 13.0 12.0 11.5 - 6.0 - 26.0 0.5 2.0 6.5 8.5 13.5

Vega del Pinar

JM-133 7.0 15.0 21.0 - 1.0 0.5 4.5 - 3.0 1.0 2.5 44.5

Cubillas

JM-174 8.0 21.0 6.5 - 4.0 3.5 19.0 - 4.0 6.0 23.0 4.5

MINERALES PESADOS (MAGNA) IBERGESA

Muestra	Circón %	Turmalina %	Andalu cita %	Monaci ta %	Rutilo %	Estauro lita %	Grana te %	Topacio %	Distena %	Epido ta %	Opacos %	Alteri- tas %
Hoja 14-16 (Castronuño)												
<u>Serie 1: Camino de Aldeanueva</u>												
JM-134	6.5	21.0	16.0	1.5	1.5	-	12.0	2.0	4.0	3.0	5.5	27.0
JM-135	3.5	16.0	46.0	-	1.5	4.5	4.5	-	1.0	0.5	8.5	14.0
JM-136	6.0	11.5	18.5	-	5.5	1.0	14.0	-	4.0	2.0	10.0	27.5
JM-137	4.5	18.0	16.0	-	4.0	-	12.5	2.0	-	5.0	3.0	35.0
<u>Serie 2: El Pinarico</u>												
JM-138	-	3.7	11.9	-	-	5.2	7.4	-	0.7	-	11.9	59.2
JM-139	13.5	17.5	14.0	-	4.0	0.5	17.5	2.0	2.0	4.0	9.0	16.0
JM-140	6.5	13.5	25.5	0.5	2.5	0.5	13.0	-	0.5	3.0	6.0	28.5
JM-141	10.0	16.0	11.0	1.0	3.0	-	16.0	-	-	8.0	7.0	28.0
JM-142	13.2	18.8	16.0	-	5.6	2.4	7.2	1.2	5.6	6.4	6.4	17.2
JM-143	10.0	12.5	14.5	-	6.5	1.0	16.5	-	2.5	3.0	5.5	28.0
<u>Serie 3: Villabuena del Puente</u>												
JM-146	17.5	18.5	10.0	-	11.5	-	14.5	1.0	1.0	1.5	10.0	14.5
JM-147	6.0	16.0	32.5	-	5.0	2.5	8.5	-	4.5	2.0	6.0	17.0
JM-148	8.5	14.0	15.0	-	5.5	0.5	21.5	-	3.5	4.5	8.5	18.5
JM-149	8.0	15.0	22.5	-	4.0	2.0	13.5	-	3.5	4.0	7.5	20.0
JM-150	7.5	15.0	20.0	-	4.5	0.5	10.0	1.5	7.0	1.0	9.0	24.0
JM-151	5.5	19.5	29.5	-	2.5	0.5	6.5	1.5	1.5	4.0	2.0	27.0
JM-152	6.4	27.2	11.6	-	5.2	0.8	16.0	1.6	2.4	2.8	6.0	20.0
JM-153	13.5	18.5	18.5	1.0	3.5	1.0	11.0	1.5	1.0	1.0	10.5	19.0
JM-155	11.2	13.6	20.0	-	6.8	4.4	15.2	-	5.2	4.4	10.4	8.8

MINERALES PESADOS (MAGNA) IBERGESA

Muestra	Circón %	Turmalina %	Andalucita %	Monacita %	Rutilo %	Estaurolita %	Granaite %	Topacio %	Distena %	Epido-ta %	Opacos %	Alteri-tas %
Hoja 14-16 (Castronuño)												
<u>Serie 3: Villabuena del Puente (Continuación)</u>												
JM-157	3.0	20.0	17.5	-	5.5	3.5	12.5	-	8.0	-	9.5	20.5
JM-159	13.0	18.0	14.5	-	6.0	4.0	9.5	1.5	6.5	5.0	8.5	13.5
JM-160	2.5	19.0	27.5	-	3.5	1.0	13.5	2.0	10.0	4.0	8.5	8.5
JM-161	4.5	12.0	9.5	1.0	5.0	2.0	22.0	2.5	8.0	5.5	17.5	10.5
<u>Serie 4: Presa de San José</u>												
JM-164	6.0	16.5	30.0	-	4.5	4.0	9.5	1.0	5.0	2.0	5.0	16.5
JM-165	9.0	12.5	9.0	1.0	3.5	0.5	11.5	2.5	0.5	2.0	6.5	41.5
JM-166	11.5	15.0	16.5	-	6.5	4.0	2.5	-	10.5	3.5	10.5	19.5
JM-167	11.5	13.0	11.5	1.0	7.0	1.0	13.0	4.5	7.0	2.0	8.0	20.5
JM-168	Muestra no representativa											
JM-169	12.9	12.9	16.2	-	7.1	2.4	11.9	1.4	6.2	3.3	6.2	19.5
JM-170	7.0	20.0	13.0	-	6.0	4.0	6.0	2.5	8.5	2.5	10.5	20.0
JM-171	7.0	18.0	24.0	-	2.5	2.5	14.0	1.5	5.5	1.5	12.0	11.5
JM-172	1.9	12.9	20.5	-	2.9	3.8	3.3	-	10.0	-	17.6	27.1
JM-173	5.0	17.0	28.5	-	2.5	7.5	4.0	1.0	9.5	1.0	9.0	15.0
<u>Serie 5: El Pego</u>												
JM-175	3.0	13.0	5.0	1.0	5.5	0.5	28.0	6.0	1.0	5.5	7.0	24.5
JM-176	10.0	11.5	13.5	-	8.5	1.0	13.0	-	8.5	2.0	7.0	25.0
JM-177	7.5	11.5	16.5	-	6.5	5.0	17.0	-	7.5	1.0	7.5	20.0

RAYOS X

ARCILLAS (MAGNA) HOJA 14-16 CASTRONUÑO

Minerales de la fracción fina en % (sobre el total de dicha fracción)

Muestra	Montmori- llonita	Interestra- tificados	Illita	Caolini- ta	Gibsita	Goethita
JM-131	63.23		30.20	6.29		0.28
JM-132	2.30		82.87	13.81		1.01
JM-133	42.22		44.44	13.33		
JM-135			86.87	12.67		1.06
JM-136	79.88		17.08	2.85		0.38
JM-137	11.16		78.11	9.76	0.35	0.61
JM-138			93.34	6.66		
JM-139	4.80		86.40	7.20		1.60
JM-140	33.78		53.09	12.07		1.06
JM-141			94.40	4.88		0.72
JM-142			75.49	23.23		1.28
JM-146			77.10	19.27	1.93	1.70
JM-147	53.85		41.03	5.12		
JM-148	9.86		84.51	5.63		
JM-149			88.96	10.46		0.58
JM-151	54.55		36.36	9.09		
JM-152			94.80	4.45		0.65
JM-153	28.23		63.53	8.24		
JM-154	9.84	12.39	72.91	4.37		0.48
JM-155	30.20		65.77	4.03		
JM-156	53.54		40.31	5.67	0.47	
JM-157	44.16		50.76	5.08		
JM-158		43.88	53.51	2.14		0.47
JM-159	16.98		83.02			
JM-160	16.86		81.57	1.57		
JM-161	10.64		89.36			
JM-165	31.17		62.34	6.49		
JM-166	67.51		31.50			0.99

ARCILLAS (MAGNA) HOJA 14-16 CASTRONUÑO

Minerales de la fracción fina en % (sobre el total de dicha fracción)

Muestra	Montmori- llonita	Interestra- tificados	Illita	Caolini ta	Gibsita	Goethita
JM-167	29.41		64.71	5.88		
JM-168	26.47		70.59	2.94		
JM-169	30.14		65.07	4.78		
JM-170	64.52		30.11	5.38		
JM-171		40.45	53.93	5.62		
JM-172	58.70		34.78	6.52		
JM-173	57.52		35.40	7.08		
JM-175		24.21	71.58	4.21		
JM-176		25.39	69.24	4.62		0.76

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