INSTITUTO GEOLOGICO Y MINERO DE ESPAÑA

# ANALISIS GRANULOMETRICOS

MAGNA

| Nº HOJA | EMP | REC. | Nº MUESTRA | TA | PROFUNDIDAD (m) |
|---|---|---|---|---|---|
| 0841 | ADLE | | 507 | | |
| 1 | 5 7 | 9 | | 14 | 15 18 |

MAGNA: 19 22

| GRAVAS | | | ARENA MUY GRUESA | | | | ARENA GRUESA | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| >4 | 4 | 2 | 1.682 | 1.414 | 1.189 | 1 | 0'840 | 0'707 | 0'594 | 0'500 | |
| | | 106 | | | | 358 | | | | 2754 | 1 |
| 23 26 | 27 30 | 31 34 | 35 38 | 39 42 | 43 46 | 47 50 | 51 54 | 55 58 | 59 62 | 63 66 | 80 |

| ARENA MEDIA | | | |
|---|---|---|---|
| 0'420 | 0'353 | 0'297 | 0'250 |
| | | | 4738 |
| 15 18 | 19 22 | 23 26 | 27 30 |

| ARENA FINA | | | | ARENA MUY FINA | | | | LIMOS+ARCILLA |
|---|---|---|---|---|---|---|---|---|
| 0'210 | 0'176 | 0'148 | 0'125 | 0'105 | 0'088 | 0'074 | 0'062 | < 0'062 |
| | | | 1661 | | | | 255 | 144 |
| 31 34 | 35 38 | 39 42 | 43 46 | 47 50 | 51 54 | 55 58 | 59 62 | 63 66 |

2 — 80

EDAD _____

| S | SS | SR | SSR | P | SP | SSP | I | 2 | S | SS | SR | SSR | P | SP | SSP | I | 2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T | B | I | C | 2 | | | | | T | B | 2 | | | | | | |
| 19 | | | | | | | | 28 | 29 | | | | | | | | 38 |

PROCEDIMIENTO DE DATACION

- FOSILES Y POSICION ESTRATIGRAFICA _ A
- FOSILES Y MICROFACIES _ B
- FOSILES Y LITOLOGIA _ C
- LITOLOGIA Y POSICION ESTRATIGRAFICA _ D
- MICROFACIES Y POSICION ESTRATIGRAFICA _ G
- FOSILES _ F
- ESTRATIGRAFICA _ E
- MICROFACIES _ M
- LITOLOGIA _ L

39

VALORACION

- BUENA _ B
- PROBABLE _ P
- DUDOSA _ D

40

AMBIENTE _____

OBSERVACIONES _____

INFORMACION ADICIONAL: 41 — 3 — 80

INSTITUTO GEOLOGICO Y MINERO DE ESPAÑA

# ANALISIS GRANULOMETRICOS

MAGNA

| Nº HOJA | EMP. | REC. | Nº MUESTRA | TA | PROFUNDIDAD (m.) |
|---|---|---|---|---|---|
| 0841 | AD | LE | 510 | | |
| 1–4 | 5–6 | 7–8 | 9–13 | 14 | 15–18 |

MAGNA: 19–22

| GRAVAS | | | ARENA MUY GRUESA | | | | ARENA GRUESA | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| >4 | 4 | 2 | 1.682 | 1.414 | 1.189 | 1 | 0'840 | 0'707 | 0'594 | 0'500 | |
| | | 164 | | | | 365 | | | | 2924 | 1 |
| 23–26 | 27–30 | 31–34 | 35–38 | 39–42 | 43–46 | 47–50 | 51–54 | 55–58 | 59–62 | 63–66 | 80 |

| ARENA MEDIA | | | |
|---|---|---|---|
| 0'420 | 0'353 | 0'297 | 0'250 |
| | | | 4496 |
| 15–18 | 19–22 | 23–26 | 27–30 |

| ARENA FINA | | | | ARENA MUY FINA | | | | LIMOS+ARCILLA | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 0'210 | 0'176 | 0'148 | 0'125 | 0'105 | 0'088 | 0'074 | 0'062 | < 0'062 | | |
| | | | 1499 | | | | 329 | 268 | | 2 |
| 31–34 | 35–38 | 39–42 | 43–46 | 47–50 | 51–54 | 55–58 | 59–62 | 63–66 | | 80 |

EDAD _____

| S | SS | SR | SSR | P | SP | SSP | I | 2 |
|---|---|---|---|---|---|---|---|---|
| T | B | I | C | 2 | | | | |
| 19 | | | | | | | | 28 |

| S | SS | SR | SSR | P | SP | SSP | I | 2 |
|---|---|---|---|---|---|---|---|---|
| T | B | 2 | | | | | | |
| 29 | | | | | | | | 38 |

PROCEDIMIENTO DE DATACION

FOSILES Y POSICION ESTRATIGRAFICA _ A
FOSILES Y MICROFACIES _____ B
FOSILES Y LITOLOGIA _____ C
LITOLOGIA Y POSICION ESTRATIGRAFICA _ D
MICROFACIES Y POSICION ESTRATIGRAFICA _ G
FOSILES _____ F
ESTRATIGRAFICA _ E
MICROFACIES _____ M
LITOLOGIA _____ L

39

VALORACION

BUENA _____ B
PROBABLE _ P
DUDOSA _____ D

40

AMBIENTE _____

OBSERVACIONES _____

INFORMACION ADICIONAL 41 | 3 | 80

INSTITUTO GEOLOGICO Y MINERO DE ESPAÑA

**MAGNA** (19 22)

Nº HOJA (1 5) | EMP. (5 7) | REC. (7 9) | Nº MUESTRA (9 14) | TA (14) | PROFUNDIDAD (m.) (15 18)

0841 | A | 0 | L | E | 5 | 1 | 2 | | |

INSTITUTO GEOLOGICO Y MINERO DE ESPAÑA

# ANALISIS GRANULOMETRICOS

MAGNA

| Nº HOJA | EMP | REC. | Nº MUESTRA | TA | PROFUNDIDAD (m.) |
|---|---|---|---|---|---|
| 0841 | AD | LE | 513 | | |
| 1–4 | 5–6 | 7–8 | 9–13 | 14 | 15–18 |

MAGNA: 19–22

| GRAVAS | | | ARENA MUY GRUESA | | | | ARENA GRUESA | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| >4 | 4 | 2 | 1.682 | 1.414 | 1.189 | 1 | 0'840 | 0'707 | 0'594 | 0'500 | |
| | | 095 | | | | 1259 | | | | 4879 | 1 |
| 23–26 | 27–30 | 31–34 | 35–38 | 39–42 | 43–46 | 47–50 | 51–54 | 55–58 | 59–62 | 63–66 | 80 |

| ARENA MEDIA | | | |
|---|---|---|---|
| 0'420 | 0'353 | 0'297 | 0'250 |
| | | | 2552 |
| 15–18 | 19–22 | 23–26 | 27–30 |

| ARENA FINA | | | | ARENA MUY FINA | | | | LIMOS+ARCILLA | |
|---|---|---|---|---|---|---|---|---|---|
| 0'210 | 0'176 | 0'148 | 0'125 | 0'105 | 0'088 | 0'074 | 0'062 | < 0'062 | |
| | | | 793 | | | | 181 | 166 | 2 |
| 31–34 | 35–38 | 39–42 | 43–46 | 47–50 | 51–54 | 55–58 | 59–62 | 63–66 | 80 |

EDAD _____

| S | SS | SR | SSR | P | SP | SSP | I | 2 | | S | SS | SR | SSR | P | SP | SSP | I | 2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T | B | I | C | 2 | | | | | | T | B | 2 | | | | | | |
| 19 | | | | | | | | 28 | | 29 | | | | | | | | 38 |

PROCEDIMIENTO DE DATACION

| | | | |
|---|---|---|---|
| FOSILES Y POSICION ESTRATIGRAFICA | A | FOSILES | F |
| FOSILES Y MICROFACIES | B | ESTRATIGRAFICA | E |
| FOSILES Y LITOLOGIA | C | MICROFACIES | M |
| LITOLOGIA Y POSICION ESTRATIGRAFICA | D | LITOLOGIA | L |
| MICROFACIES Y POSICION ESTRATIGRAFICA | G | | |

39

VALORACION

| | |
|---|---|
| BUENA | B |
| PROBABLE | P |
| DUDOSA | D |

40

AMBIENTE _____

OBSERVACIONES _____

INFORMACION ADICIONAL 41 — 3 — 80

INSTITUTO GEOLOGICO Y MINERO DE ESPAÑA

# ANALISIS GRANULOMETRICOS

MAGNA

| Nº HOJA | EMR | REC. | Nº MUESTRA | TA | PROFUNDIDAD (m.) |
|---|---|---|---|---|---|
| 0841 | AD | LE | 516 | | |
| 1–4 | 5–6 | 7–8 | 9–13 | 14 | 15–18 |

MAGNA: 19–22

| GRAVAS | | | ARENA MUY GRUESA | | | | ARENA GRUESA | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| >4 | 4 | 2 | 1.682 | 1.414 | 1.189 | 1 | 0'840 | 0'707 | 0'594 | 0'500 | |
| | | | | | | 011 | | | | 715 | 1 |
| 23–26 | 27–30 | 31–34 | 35–38 | 39–42 | 43–46 | 47–50 | 51–54 | 55–58 | 59–62 | 63–66 | 80 |

| ARENA MEDIA | | | |
|---|---|---|---|
| 0'420 | 0'353 | 0'297 | 0'250 |
| | | | 1482 |
| 15–18 | 19–22 | 23–26 | 27–30 |

| ARENA FINA | | | | ARENA MUY FINA | | | | LIMOS+ARCILLA | |
|---|---|---|---|---|---|---|---|---|---|
| 0'210 | 0'176 | 0'148 | 0'125 | 0'105 | 0'088 | 0'074 | 0'062 | <0'062 | |
| | | | 1276 | | | | 293 | 3609 | 2 |
| 31–34 | 35–38 | 39–42 | 43–46 | 47–50 | 51–54 | 55–58 | 59–62 | 63–66 | 80 |

EDAD _____

| S | SS | SR | SSR | P | SP | SSP | I | 2 |
|---|---|---|---|---|---|---|---|---|
| T | B | I | C | 2 | | | | |
| 19 | | | | | | | | 28 |

| S | SS | SR | SSR | P | SP | SSP | I | 2 |
|---|---|---|---|---|---|---|---|---|
| T | B | 2 | | | | | | |
| 29 | | | | | | | | 38 |

PROCEDIMIENTO DE DATACION

FOSILES Y POSICION ESTRATIGRAFICA _ A
FOSILES Y MICROFACIES _____ B
FOSILES Y LITOLOGIA _____ C
LITOLOGIA Y POSICION ESTRATIGRAFICA _ D
MICROFACIES Y POSICION ESTRATIGRAFICA _ G

FOSILES _____ F
ESTRATIGRAFICA _ E
MICROFACIES _____ M
LITOLOGIA _____ L

39

VALORACION

BUENA _____ B
PROBABLE _ P
DUDOSA _____ D

40

AMBIENTE _____

OBSERVACIONES _____

INFORMACION ADICIONAL 41 | 3 | 80

INSTITUTO GEOLOGICO Y MINERO DE ESPAÑA

# ANALISIS GRANULOMETRICOS

MAGNA

| Nº HOJA | EMP | REC. | Nº MUESTRA | TA | PROFUNDIDAD (m.) |
|---|---|---|---|---|---|
| 0841 | AD | LE | 517 | | |
| 1 | 5 | 7 | 9 | 14 | 15 16 |

19 22

| GRAVAS | | | ARENA MUY GRUESA | | | | ARENA GRUESA | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| >4 | 4 | 2 | 1.682 | 1.414 | 1.189 | 1 | 0'840 | 0'707 | 0'594 | 0'500 | |
| | | 018 | | | | 090 | | | | 294 | 1 |
| 23 26 | 27 30 | 31 34 | 35 38 | 39 42 | 43 46 | 47 50 | 51 54 | 55 58 | 59 62 | 63 66 | 80 |

| ARENA MEDIA | | | |
|---|---|---|---|
| 0'420 | 0'353 | 0'297 | 0'250 |
| | | | 854 |
| 15 18 | 19 22 | 23 26 | 27 30 |

| ARENA FINA | | | | ARENA MUY FINA | | | | LIMOS+ARCILLA | |
|---|---|---|---|---|---|---|---|---|---|
| 0'210 | 0'176 | 0'148 | 0'125 | 0'105 | 0'088 | 0'074 | 0'062 | < 0'062 | |
| | | | 5008 | | | | 2588 | 1143 | 2 |
| 31 34 | 35 38 | 39 42 | 43 46 | 47 50 | 51 54 | 55 58 | 59 62 | 63 66 | 80 |

EDAD _____

| S | SS | SR | SSR | P | SP | SSP | I | 2 |
|---|---|---|---|---|---|---|---|---|
| 7 | B | I | C | 2 | | | | |
| 19 | | | | | | | | 28 |

| S | SS | SR | SSR | P | SP | SSP | I | 2 |
|---|---|---|---|---|---|---|---|---|
| 7 | B | 2 | | | | | | |
| 29 | | | | | | | | 38 |

PROCEDIMIENTO DE DATACION

FOSILES Y POSICION ESTRATIGRAFICA _ A
FOSILES Y MICROFACIES _____ B
FOSILES Y LITOLOGIA _____ C
LITOLOGIA Y POSICION ESTRATIGRAFICA _ D
MICROFACIES Y POSICION ESTRATIGRAFICA _ G
FOSILES _____ F
ESTRATIGRAFICA _ E
MICROFACIES _____ M
LITOLOGIA _____ L

39

VALORACION

BUENA _____ B
PROBABLE _ P
DUDOSA _____ D

40

AMBIENTE _____

OBSERVACIONES _____

INFORMACION ADICIONAL 41 | 3 80

INSTITUTO GEOLOGICO Y MINERO DE ESPAÑA

# ANALISIS GRANULOMETRICOS

MAGNA

| Nº HOJA | EMP | REC. | Nº MUESTRA | TA | PROFUNDIDAD (m.) |
|---|---|---|---|---|---|
| 0841 | ADLE | | 518 | | |
| 1–4 | 5–6 | 7–8 | 9–13 | 14 | 15–18 |

MAGNA: 19–22

| GRAVAS | | | ARENA MUY GRUESA | | | | ARENA GRUESA | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| >4 | 4 | 2 | 1.682 | 1.414 | 1.189 | 1 | 0'840 | 0'707 | 0'594 | 0'500 | |
| | | | | | | | | | | 013 | 1 |
| 23–26 | 27–30 | 31–34 | 35–38 | 39–42 | 43–46 | 47–50 | 51–54 | 55–58 | 59–62 | 63–66 | 80 |

| ARENA MEDIA | | | |
|---|---|---|---|
| 0'420 | 0'353 | 0'297 | 0'250 |
| | | | 1024 |
| 15–18 | 19–22 | 23–26 | 27–30 |

| ARENA FINA | | | | ARENA MUY FINA | | | | LIMOS+ARCILLA | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 0'210 | 0'176 | 0'148 | 0'125 | 0'105 | 0'088 | 0'074 | 0'062 | < 0'062 | | |
| | | | 7546 | | | | 1366 | 954 | | 2 |
| 31–34 | 35–38 | 39–42 | 43–46 | 47–50 | 51–54 | 55–58 | 59–62 | 63–66 | | 80 |

EDAD _____

| S | SS | SR | SSR | P | SP | SSP | I | 2 | S | SS | SR | SSR | P | SP | SSP | I | 2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T | B | 1 | C | 2 | | | | | T | B | 2 | | | | | | |
| 19 | | | | | | | | 28 | 29 | | | | | | | | 38 |

PROCEDIMIENTO DE DATACION

FOSILES Y POSICION ESTRATIGRAFICA _ A
FOSILES Y MICROFACIES _ B
FOSILES Y LITOLOGIA _ C
LITOLOGIA Y POSICION ESTRATIGRAFICA _ D
MICROFACIES Y POSICION ESTRATIGRAFICA _ G
FOSILES _ F
ESTRATIGRAFICA _ E
MICROFACIES _ M
LITOLOGIA _ L

39

VALORACION

BUENA _ B
PROBABLE _ P
DUDOSA _ D

40

AMBIENTE _____

OBSERVACIONES _____

INFORMACION ADICIONAL 41 | 3 80

INSTITUTO GEOLOGICO Y MINERO DE ESPAÑA

MAGNA

# ANALISIS GRANULOMETRICOS

| Nº HOJA | EMP | REC. | Nº MUESTRA | TA | PROFUNDIDAD (m.) |
|---|---|---|---|---|---|
| 0841 | AD | LE | 519 | | |
| 1–4 | 5–6 | 7–8 | 9–13 | 14 | 15–18 |

19–22

| GRAVAS | | | ARENA MUY GRUESA | | | | ARENA GRUESA | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| >4 | 4 | 2 | 1.682 | 1.414 | 1.189 | 1 | 0'840 | 0'707 | 0'594 | 0'500 | |
| | | | | | | 014 | | | | 198 | 1 |
| 23–26 | 27–30 | 31–34 | 35–38 | 39–42 | 43–46 | 47–50 | 51–54 | 55–58 | 59–62 | 63–66 | 80 |

| ARENA MEDIA | | | |
|---|---|---|---|
| 0'420 | 0'353 | 0'297 | 0'250 |
| | | | 1546 |
| 15–18 | 19–22 | 23–26 | 27–30 |

| ARENA FINA | | | | ARENA MUY FINA | | | | LIMOS+ARCILLA | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 0'210 | 0'176 | 0'148 | 0'125 | 0'105 | 0'088 | 0'074 | 0'062 | < 0'062 | | |
| | | | 6894 | | | | 1094 | 293 | | 2 |
| 31–34 | 35–38 | 39–42 | 43–46 | 47–50 | 51–54 | 55–58 | 59–62 | 63–66 | | 80 |

EDAD _____

| S | SS | SR | SSR | P | SP | SSP | I | 2 |
|---|---|---|---|---|---|---|---|---|
| T | B | I | C | 2 | | | | |
| 19 | | | | | | | | 28 |

| S | SS | SR | SSR | P | SP | SSP | I | 2 |
|---|---|---|---|---|---|---|---|---|
| T | B | 2 | | | | | | |
| 29 | | | | | | | | 38 |

PROCEDIMIENTO DE DATACION

FOSILES Y POSICION ESTRATIGRAFICA _ A
FOSILES Y MICROFACIES _____ B
FOSILES Y LITOLOGIA _____ C
LITOLOGIA Y POSICION ESTRATIGRAFICA _ D
MICROFACIES Y POSICION ESTRATIGRAFICA _ G

FOSILES _____ F
ESTRATIGRAFICA _ E
MICROFACIES _____ M
LITOLOGIA _____ L

39

VALORACION

BUENA _____ B
PROBABLE _ P
DUDOSA _____ D

40

AMBIENTE _____

OBSERVACIONES _____

INFORMACION ADICIONAL 41 — 3 (80)

INSTITUTO GEOLOGICO Y MINERO DE ESPAÑA

# ANALISIS GRANULOMETRICOS

MAGNA

| Nº HOJA | EMP | REC. | Nº MUESTRA | TA | PROFUNDIDAD (m) |
|---|---|---|---|---|---|
| 0841 | ADLE | | 520 | | |
| 1 | 5 7 | 9 | | 14 | 15 18 |

MAGNA: 19 22

| GRAVAS | | | ARENA MUY GRUESA | | | | ARENA GRUESA | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| >4 | 4 | 2 | 1.682 | 1.414 | 1.189 | 1 | 0'840 | 0'707 | 0'594 | 0'500 | |
| | | 018 | | | | 027 | | | | 212 | 1 |
| 23 26 | 27 30 | 31 34 | 35 38 | 39 42 | 43 46 | 47 50 | 51 54 | 55 58 | 59 62 | 63 66 | 80 |

| ARENA MEDIA | | | |
|---|---|---|---|
| 0'420 | 0'353 | 0'297 | 0'250 |
| | | | 2735 |
| 15 18 | 19 22 | 23 26 | 27 30 |

| ARENA FINA | | | | ARENA MUY FINA | | | | LIMOS+ARCILLA | |
|---|---|---|---|---|---|---|---|---|---|
| 0'210 | 0'176 | 0'148 | 0'125 | 0'105 | 0'088 | 0'074 | 0'062 | < 0'062 | |
| | | | 6277 | | | | 601 | 202 | 2 |
| 31 34 | 35 38 | 39 42 | 43 46 | 47 50 | 51 54 | 55 58 | 59 62 | 63 66 | 80 |

EDAD _____

| S | SS | SR | SSR | P | SP | SSP | I | 2 |
|---|---|---|---|---|---|---|---|---|
| T | B | I | C | 2 | | | | |
| 19 | | | | | | | | 28 |

| S | SS | SR | SSR | P | SP | SSP | I | 2 |
|---|---|---|---|---|---|---|---|---|
| T | B | 2 | | | | | | |
| 29 | | | | | | | | 38 |

PROCEDIMIENTO DE DATACION

FOSILES Y POSICION ESTRATIGRAFICA _ A
FOSILES Y MICROFACIES _____ B
FOSILES Y LITOLOGIA _____ C
LITOLOGIA Y POSICION ESTRATIGRAFICA _ D
MICROFACIES Y POSICION ESTRATIGRAFICA _ G
FOSILES _____ F
ESTRATIGRAFICA _ E
MICROFACIES _____ M
LITOLOGIA _____ L

39

VALORACION

BUENA _____ B
PROBABLE _ P
DUDOSA _____ D

40

AMBIENTE _____

OBSERVACIONES _____

INFORMACION ADICIONAL 3

41 80

INSTITUTO GEOLOGICO Y MINERO DE ESPAÑA

# ANALISIS GRANULOMETRICOS

MAGNA

| Nº HOJA | EMR | REC. | Nº MUESTRA | TA | PROFUNDIDAD (m) |
|---|---|---|---|---|---|
| 0841 | AD | LE | 521 | | |
| 1 | 5 | 7 | 9 | 14 | 15 18 |

19 22

| GRAVAS | | | ARENA MUY GRUESA | | | | ARENA GRUESA | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| >4 | 4 | 2 | 1.682 | 1.414 | 1.189 | 1 | 0'840 | 0'707 | 0'594 | 0'500 | |
| | 146 | 318 | | | | 208 | | | | 613 | 1 |
| 23 26 | 27 30 | 31 34 | 35 38 | 39 42 | 43 46 | 47 50 | 51 54 | 55 58 | 59 62 | 63 66 | 80 |

| ARENA MEDIA | | | |
|---|---|---|---|
| 0'420 | 0'353 | 0'297 | 0'250 |
| | | | 1394 |
| 15 18 | 19 22 | 23 26 | 27 30 |

| ARENA FINA | | | | ARENA MUY FINA | | | | LIMOS+ARCILLA | |
|---|---|---|---|---|---|---|---|---|---|
| 0'210 | 0'176 | 0'148 | 0'125 | 0'105 | 0'088 | 0'074 | 0'062 | <0'062 | |
| | | | 2934 | | | | 4139 | 277 | 2 |
| 31 34 | 35 38 | 39 42 | 43 46 | 47 50 | 51 54 | 55 58 | 59 62 | 63 66 | 80 |

EDAD _____

| S | SS | SR | SSR | P | SP | SSP | I | 2 |
|---|---|---|---|---|---|---|---|---|
| T | B | I | C | 2 | | | | |
| 19 | | | | | | | | 28 |

| S | SS | SR | SSR | P | SP | SSP | I | 2 |
|---|---|---|---|---|---|---|---|---|
| T | B | 2 | | | | | | |
| 29 | | | | | | | | 38 |

PROCEDIMIENTO DE DATACION

FOSILES Y POSICION ESTRATIGRAFICA _ A
FOSILES Y MICROFACIES _____ B
FOSILES Y LITOLOGIA _____ C
LITOLOGIA Y POSICION ESTRATIGRAFICA _ D
MICROFACIES Y POSICION ESTRATIGRAFICA _ G
FOSILES _____ F
ESTRATIGRAFICA _ E
MICROFACIES _____ M
LITOLOGIA _____ L

39

VALORACION

BUENA _____ B
PROBABLE _ P
DUDOSA _____ D

40

AMBIENTE _____

OBSERVACIONES _____

INFORMACION ADICIONAL

41 3 80

INSTITUTO GEOLOGICO Y MINERO DE ESPAÑA

# ANALISIS GRANULOMETRICOS

MAGNA

| Nº HOJA | EMP | REC. | Nº MUESTRA | TA | PROFUNDIDAD (m.) |
|---|---|---|---|---|---|
| 0841 | ADLE | | 524 | | |
| 1 | 5 7 | 9 | | 14 | 15 18 |

MAGNA: 19 22

| GRAVAS | | | ARENA MUY GRUESA | | | | ARENA GRUESA | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| >4 | 4 | 2 | 1.682 | 1.414 | 1.189 | 1 | 0'840 | 0'707 | 0'594 | 0'500 | |
| | | | | | | 007 | | | | 025 | 1 |
| 23 26 | 27 30 | 31 34 | 35 38 | 39 42 | 43 46 | 47 50 | 51 54 | 55 58 | 59 62 | 63 66 | 80 |

| ARENA MEDIA | | | |
|---|---|---|---|
| 0'420 | 0'353 | 0'297 | 0'250 |
| | | | 615 |
| 15 18 | 19 22 | 23 26 | 27 30 |

| ARENA FINA | | | | ARENA MUY FINA | | | | LIMOS+ARCILLA | |
|---|---|---|---|---|---|---|---|---|---|
| 0'210 | 0'176 | 0'148 | 0'125 | 0'105 | 0'088 | 0'074 | 0'062 | <0'062 | |
| | | | 1213 | | | | 6249 | 1910 | 2 |
| 31 34 | 35 38 | 39 42 | 43 46 | 47 50 | 51 54 | 55 58 | 59 62 | 63 66 | 80 |

EDAD _____

| S | SS | SR | SSR | P | SP | SSP | I | 2 | S | SS | SR | SSR | P | SP | SSP | I | 2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T | B | I | C | 2 | | | | | T | B | 2 | | | | | | |
| 19 | | | | | | | | 28 | 29 | | | | | | | | 38 |

PROCEDIMIENTO DE DATACION

FOSILES Y POSICION ESTRATIGRAFICA _ A
FOSILES Y MICROFACIES _____ B
FOSILES Y LITOLOGIA _____ C
LITOLOGIA Y POSICION ESTRATIGRAFICA _ D
MICROFACIES Y POSICION ESTRATIGRAFICA _ G
FOSILES _____ F
ESTRATIGRAFICA _ E
MICROFACIES _____ M
LITOLOGIA _____ L

39

VALORACION

BUENA _____ B
PROBABLE _ P
DUDOSA _____ D

40

AMBIENTE _____

OBSERVACIONES _____

INFORMACION ADICIONAL 41 | 3 | 80

INSTITUTO GEOLOGICO Y MINERO DE ESPAÑA

MAGNA

# ANALISIS GRANULOMETRICOS

| Nº HOJA | EMP. | REC. | Nº MUESTRA | TA | PROFUNDIDAD (m.) |
|---|---|---|---|---|---|
| 0841 | AD | 2E | 525 | | |
| 1 5 | 7 | 9 | 14 | | 15 18 |

19 22

## GRAVAS

| >4 | 4 | 2 |
|---|---|---|
| 23 26 | 27 30 | 31 34 |

## ARENA MUY GRUESA

| 1.682 | 1.414 | 1.189 | 1 |
|---|---|---|---|
| 35 38 | 39 42 | 43 46 | 47 50 |

## ARENA GRUESA

| 0'840 | 0'707 | 0'594 | 0'500 |
|---|---|---|---|
| 51 54 | 55 58 | 59 62 | 63 66 |

0008 | 1 | 80

## ARENA MEDIA

| 0'420 | 0'353 | 0'297 | 0'250 |
|---|---|---|---|
| 19 22 | 23 26 | 27 30 | 31 34 |
| | | | 1301 |

## ARENA FINA

| 0'210 | 0'176 | 0'148 | 0'125 |
|---|---|---|---|
| 35 38 | 39 42 | 43 46 | 47 50 |
| | | | 1855 |

## ARENA MUY FINA

| 0'105 | 0'088 | 0'074 | 0'062 |
|---|---|---|---|
| 51 54 | 55 58 | 59 62 | 63 66 |
| | | | 4598 |

## LIMOS + ARCILLA

| < 0'062 |
|---|
| 67 70 |
| 2268 |

2 | 80

EDAD _____

PROCEDIMIENTO DE DATACION

FOSILES Y POSICION ESTRATIGRAFICA — A
FOSILES Y MICROFACIES — B
FOSILES Y LITOLOGIA — C
LITOLOGIA Y POSICION ESTRATIGRAFICA — D
MICROFACIES Y POSICION ESTRATIGRAFICA — G
FOSILES — F
ESTRATIGRAFICA — E
MICROFACIES — M
LITOLOGIA — L

VALORACION

BUENA — B
PROBABLE — P
DUDOSA — D

| S | SS | SR | SSP | P | SP | SSP | I | 2 |
|---|---|---|---|---|---|---|---|---|
| T | B | I | C | 2 | | | | |
| 19 | | | | | | | | 28 |

| S | SS | SR | SSR | P | SP | SSP | I | 2 |
|---|---|---|---|---|---|---|---|---|
| T | B | 2 | | | | | | |
| 29 | | | | | | | | 38 |

39 | 40

AMBIENTE _____

OBSERVACIONES _____

INFORMACION ADICIONAL 41 | 3 | 80

INSTITUTO GEOLOGICO Y MINERO DE ESPAÑA

# ANALISIS GRANULOMETRICOS

MAGNA

| Nº HOJA | EMP. | REC. | Nº MUESTRA | TA | PROFUNDIDAD (m.) |
|---|---|---|---|---|---|
| 0841 | AD | LE | 526 | | |
| 1 | 5 | 7 | 9 | 14 | 15 18 |

19 22

| GRAVAS | | | ARENA MUY GRUESA | | | | ARENA GRUESA | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| >4 | 4 | 2 | 1.682 | 1.414 | 1.189 | 1 | 0'840 | 0'707 | 0'594 | 0'500 | |
| | | | | | | | | | | 015 | 1 |
| 23 26 | 27 30 | 31 34 | 35 38 | 39 42 | 43 46 | 47 50 | 51 54 | 55 58 | 59 62 | 63 66 | 80 |

| ARENA MEDIA | | | | |
|---|---|---|---|---|
| 0'420 | 0'353 | 0'297 | 0'250 | |
| | | | 1707 | |
| 19 22 | 23 26 | 27 30 | 31 34 | |

| ARENA FINA | | | | ARENA MUY FINA | | | | LIMOS + ARCILLA | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 0'210 | 0'176 | 0'148 | 0'125 | 0'105 | 0'088 | 0'074 | 0'062 | < 0'062 | | |
| | | | 1982 | | | | 3723 | 2603 | | 2 |
| 35 38 | 39 42 | 43 46 | 47 50 | 51 54 | 55 58 | 59 62 | 63 66 | 67 70 | | 80 |

EDAD

| S | SS | SR | SSP | P | SP | SSP | I | 2 | S | SS | SR | SSR | P | SP | SSP | I | 2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T | B | I | C | 2 | | | | | T | B | 2 | | | | | | |
| 19 | | | | | | | | 28 | 29 | | | | | | | | 38 |

PROCEDIMIENTO DE DATACION

FOSILES Y POSICION ESTRATIGRAFICA — A
FOSILES Y MICROFACIES — B
FOSILES Y LITOLOGIA — C
LITOLOGIA Y POSICION ESTRATIGRAFICA — D
MICROFACIES Y POSICION ESTRATIGRAFICA — G
FOSILES — F
ESTRATIGRAFICA — E
MICROFACIES — M
LITOLOGIA — L

39

VALORACION

BUENA — B
PROBABLE — P
DUDOSA — D

40

AMBIENTE

OBSERVACIONES

INFORMACION ADICIONAL

41 3 80

INSTITUTO GEOLOGICO Y MINERO DE ESPAÑA

# ANALISIS GRANULOMETRICOS

MAGNA

| Nº HOJA | EMR | REC. | Nº MUESTRA | TA | PROFUNDIDAD (m) |
|---|---|---|---|---|---|
| 0841 | AD | LE | 527 | | |
| 1 | 5 | 7 | 9 | 14 | 15 16 |

MAGNA: 19 22

| GRAVAS | | | ARENA MUY GRUESA | | | | ARENA GRUESA | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| >4 | 4 | 2 | 1.682 | 1.414 | 1.189 | 1 | 0'840 | 0'707 | 0'594 | 0'500 | |
| | | | | | | 013 | | | | 583 | 1 |
| 23 26 | 27 30 | 31 34 | 35 38 | 39 42 | 43 46 | 47 50 | 51 54 | 55 58 | 59 62 | 63 66 | 80 |

| ARENA MEDIA | | | |
|---|---|---|---|
| 0'420 | 0'353 | 0'297 | 0'250 |
| | | | 2285 |
| 15 18 | 19 22 | 23 26 | 27 30 |

| ARENA FINA | | | | ARENA MUY FINA | | | | LIMOS+ARCILLA | |
|---|---|---|---|---|---|---|---|---|---|
| 0'210 | 0'176 | 0'148 | 0'125 | 0'105 | 0'088 | 0'074 | 0'062 | <0'062 | |
| | | | 3071 | | | | 2882 | 1231 | 2 |
| 31 34 | 35 38 | 39 42 | 43 46 | 47 50 | 51 54 | 55 58 | 59 62 | 63 66 | 80 |

EDAD _____

| S | SS | SR | SSR | P | SP | SSP | I | 2 | | S | SS | SR | SSR | P | SP | SSP | I | 2 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T | B | I | C | 2 | | | | | | T | B | 2 | | | | | | | |
| 19 | | | | | | | | 28 | | 29 | | | | | | | | 38 | |

PROCEDIMIENTO DE DATACION

FOSILES Y POSICION ESTRATIGRAFICA _ A
FOSILES Y MICROFACIES _____ B
FOSILES Y LITOLOGIA _____ C
LITOLOGIA Y POSICION ESTRATIGRAFICA _ D
MICROFACIES Y POSICION ESTRATIGRAFICA _ G
FOSILES _____ F
ESTRATIGRAFICA _ E
MICROFACIES _____ M
LITOLOGIA _____ L

39

VALORACION

BUENA _____ B
PROBABLE _ P
DUDOSA _____ D

40

AMBIENTE _____

OBSERVACIONES _____

INFORMACION ADICIONAL 41 | 3 | 80

INSTITUTO GEOLOGICO Y MINERO DE ESPAÑA

MAGNA

# ANALISIS GRANULOMETRICOS

| Nº HOJA (1–4) | EMP. (5–6) | REC. (7–8) | Nº MUESTRA (9–14) | TA | PROFUNDIDAD (m.) (15–18) |
|---|---|---|---|---|---|
| 0841 | AD | LE | 528 | | |

(19–22)

| GRAVAS | | | ARENA MUY GRUESA | | | | ARENA GRUESA | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| >4 (23–26) | 4 (27–30) | 2 (31–34) | 1.682 (35–38) | 1.414 (39–42) | 1.189 (43–46) | 1 (47–50) | 0'840 (51–54) | 0'707 (55–58) | 0'594 (59–62) | 0'500 (63–66) | 1 (80) |
| | | | | | | | | | | 014 | |

| ARENA MEDIA | | | | |
|---|---|---|---|---|
| 0'420 (19–22) | 0'353 (23–26) | 0'297 (27–30) | 0'250 (31–34) | |
| | | | 1166 | |

| ARENA FINA | | | | ARENA MUY FINA | | | | LIMOS + ARCILLA | |
|---|---|---|---|---|---|---|---|---|---|
| 0'210 (35–38) | 0'176 (39–42) | 0'148 (43–46) | 0'125 (47–50) | 0'105 (51–54) | 0'088 (55–58) | 0'074 (59–62) | 0'062 (63–66) | < 0'062 (67–70) | 2 (80) |
| | | | 1238 | | | | 5029 | 2608 | |

EDAD _____

| S | SS | SR | SSP | P | SP | SSP | I | 2 | (19–28) |
|---|---|---|---|---|---|---|---|---|---|
| T | B | I | C | 2 | | | | | |

| S | SS | SR | SSR | P | SP | SSP | I | 2 | (29–38) |
|---|---|---|---|---|---|---|---|---|---|
| T | B | 2 | | | | | | | |

PROCEDIMIENTO DE DATACION

FOSILES Y POSICION ESTRATIGRAFICA — A
FOSILES Y MICROFACIES — B
FOSILES Y LITOLOGIA — C
LITOLOGIA Y POSICION ESTRATIGRAFICA — D
MICROFACIES Y POSICION ESTRATIGRAFICA — G
FOSILES — F
ESTRATIGRAFICA — E
MICROFACIES — M
LITOLOGIA — L

(39)

VALORACION

BUENA — B
PROBABLE — P
DUDOSA — D

(40)

AMBIENTE _____

OBSERVACIONES _____

INFORMACION ADICIONAL (41) 3 (80)

INSTITUTO GEOLOGICO Y MINERO DE ESPAÑA

**MAGNA**

# ANALISIS GRANULOMETRICOS

| Nº HOJA | EMP. | REC. | Nº MUESTRA | TA | PROFUNDIDAD (m.) |
|---|---|---|---|---|---|
| 0841 | AD | LE | 529 | | |
| 1 5 | 7 | 9 | | 14 | 15 18 |

19 22

| GRAVAS | | | ARENA MUY GRUESA | | | | ARENA GRUESA | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| >4 | 4 | 2 | 1.682 | 1.414 | 1.189 | 1 | 0'840 | 0'707 | 0'594 | 0'500 | |
| | | | | | | 038 | | | | 864 | 1 |
| 23 26 | 27 30 | 31 34 | 35 38 | 39 42 | 43 46 | 47 50 | 51 54 | 55 58 | 59 62 | 63 66 | 80 |

| ARENA MEDIA | | | |
|---|---|---|---|
| 0'420 | 0'353 | 0'297 | 0'250 |
| | | | 1617 |
| 19 22 | 23 26 | 27 30 | 31 34 |

| ARENA FINA | | | | ARENA MUY FINA | | | | LIMOS + ARCILLA | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 0'210 | 0'176 | 0'148 | 0'125 | 0'105 | 0'088 | 0'074 | 0'062 | < 0'062 | | |
| | | | 1119 | | | | 2841 | 3632 | | 2 |
| 35 38 | 39 42 | 43 46 | 47 50 | 51 54 | 55 58 | 59 62 | 63 66 | 67 70 | | 80 |

EDAD _____

| S | SS | SR | SSP | P | SP | SSP | I | 2 | S | SS | SR | SSR | P | SP | SSP | I | 2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T | B | I | C | 2 | | | | | T | B | 2 | | | | | | |
| 19 | | | | | | | | 28 | 29 | | | | | | | | 38 |

PROCEDIMIENTO DE DATACION

FOSILES Y POSICION ESTRATIGRAFICA — A
FOSILES Y MICROFACIES — B
FOSILES Y LITOLOGIA — C
LITOLOGIA Y POSICION ESTRATIGRAFICA — D
MICROFACIES Y POSICION ESTRATIGRAFICA — G
FOSILES — F
ESTRATIGRAFICA — E
MICROFACIES — M
LITOLOGIA — L

39

VALORACION

BUENA — B
PROBABLE — P
DUDOSA — D

40

AMBIENTE _____

OBSERVACIONES _____

INFORMACION ADICIONAL

41 3 80

INSTITUTO GEOLOGICO Y MINERO DE ESPAÑA

# ANALISIS GRANULOMETRICOS

MAGNA

| Nº HOJA | EMP. | REC. | Nº MUESTRA | TA | PROFUNDIDAD (m.) |
|---|---|---|---|---|---|
| 0841 | AD | LE | 532 | | |
| 1 | 5 | 7 | 9 | 14 | 15 18 |

19 22

| GRAVAS | | | ARENA MUY GRUESA | | | | ARENA GRUESA | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| >4 | 4 | 2 | 1.682 | 1.414 | 1.189 | 1 | 0'840 | 0'707 | 0'594 | 0'500 | |
| | | | | | | 017 | | | | 121 | 1 |
| 23 26 | 27 30 | 31 34 | 35 38 | 39 42 | 43 46 | 47 50 | 51 54 | 55 58 | 59 62 | 63 66 | 80 |

| ARENA MEDIA | | | |
|---|---|---|---|
| 0'420 | 0'353 | 0'297 | 0'250 |
| | | | 1353 |
| 19 22 | 23 26 | 27 30 | 31 34 |

| ARENA FINA | | | | ARENA MUY FINA | | | | LIMOS +ARCILLA | |
|---|---|---|---|---|---|---|---|---|---|
| 0'210 | 0'176 | 0'148 | 0'125 | 0'105 | 0'088 | 0'074 | 0'062 | < 0'062 | |
| | | | 2501 | | | | 3776 | 2301 | 2 |
| 35 38 | 39 42 | 43 46 | 47 50 | 51 54 | 55 58 | 59 62 | 63 66 | 67 70 | 80 |

EDAD

| S | SS | SR | SSP | P | SP | SSP | I | 2 |
|---|---|---|---|---|---|---|---|---|
| T | B1 | C2 | | | | | | |
| 19 | | | | | | | | 28 |

| S | SS | SR | SSR | P | SP | SSP | I | 2 |
|---|---|---|---|---|---|---|---|---|
| T | B2 | | | | | | | |
| 29 | | | | | | | | 36 |

PROCEDIMIENTO DE DATACION

FOSILES Y POSICION ESTRATIGRAFICA — A
FOSILES Y MICROFACIES — B
FOSILES Y LITOLOGIA — C
LITOLOGIA Y POSICION ESTRATIGRAFICA — D
MICROFACIES Y POSICION ESTRATIGRAFICA — G
FOSILES — F
ESTRATIGRAFICA — E
MICROFACIES — M
LITOLOGIA — L

39

VALORACION

BUENA — B
PROBABLE — P
DUDOSA — D

40

AMBIENTE

OBSERVACIONES

INFORMACION ADICIONAL

41 3 80

INSTITUTO GEOLOGICO Y MINERO DE ESPAÑA

# ANALISIS GRANULOMETRICOS

MAGNA

| Nº HOJA | EMP | REC. | Nº MUESTRA | TA | PROFUNDIDAD (m) |
|---|---|---|---|---|---|
| 0841 | ADLE | | 533 | | |
| 1–4 | 5–6 | 7–8 | 9–14 | | 15–18 |

MAGNA: 19–22

| GRAVAS | | | ARENA MUY GRUESA | | | | ARENA GRUESA | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| >4 | 4 | 2 | 1.682 | 1.414 | 1.189 | 1 | 0'840 | 0'707 | 0'594 | 0'500 | |
| | | | | | | | | | | 006 | 1 |
| 23–26 | 27–30 | 31–34 | 35–38 | 39–42 | 43–46 | 47–50 | 51–54 | 55–58 | 59–62 | 63–66 | 80 |

| ARENA MEDIA | | | |
|---|---|---|---|
| 0'420 | 0'353 | 0'297 | 0'250 |
| | | | 3080 |
| 15–18 | 19–22 | 23–26 | 27–30 |

| ARENA FINA | | | | ARENA MUY FINA | | | | LIMOS+ARCILLA | |
|---|---|---|---|---|---|---|---|---|---|
| 0'210 | 0'176 | 0'148 | 0'125 | 0'105 | 0'088 | 0'074 | 0'062 | < 0'062 | |
| | | | 6780 | | | | 102 | 015 | 2 |
| 31–34 | 35–38 | 39–42 | 43–46 | 47–50 | 51–54 | 55–58 | 59–62 | 63–66 | 80 |

EDAD _____

| S | SS | SR | SSR | P | SP | SSP | I | 2 |
|---|---|---|---|---|---|---|---|---|
| T | B | I | C | 2 | | | | |
| 19 | | | | | | | | 28 |

| S | SS | SR | SSR | P | SP | SSP | I | 2 |
|---|---|---|---|---|---|---|---|---|
| T | B | 2 | | | | | | |
| 29 | | | | | | | | 38 |

PROCEDIMIENTO DE DATACION

| | | | |
|---|---|---|---|
| FOSILES Y POSICION ESTRATIGRAFICA | A | FOSILES | F |
| FOSILES Y MICROFACIES | B | ESTRATIGRAFICA | E |
| FOSILES Y LITOLOGIA | C | MICROFACIES | M |
| LITOLOGIA Y POSICION ESTRATIGRAFICA | D | LITOLOGIA | L |
| MICROFACIES Y POSICION ESTRATIGRAFICA | G | | |

39

VALORACION

| | |
|---|---|
| BUENA | B |
| PROBABLE | P |
| DUDOSA | D |

40

AMBIENTE _____

OBSERVACIONES _____

INFORMACION ADICIONAL 41 — 3 — 80

INSTITUTO GEOLOGICO Y MINERO DE ESPAÑA

# ANALISIS GRANULOMETRICOS

MAGNA

| Nº HOJA | EMR | REC. | Nº MUESTRA | TA | PROFUNDIDAD (m.) |
|---|---|---|---|---|---|
| 0841 | AD | LE | 534 | | |
| 1 | 5 | 7 | 9 | 14 | 15 16 |

MAGNA: 19 22

| GRAVAS | | | ARENA MUY GRUESA | | | | ARENA GRUESA | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| >4 | 4 | 2 | 1.682 | 1.414 | 1.189 | 1 | 0'840 | 0'707 | 0'594 | 0'500 | |
| | | | | | | | | | | 019 | 1 |
| 23 26 | 27 30 | 31 34 | 35 38 | 39 42 | 43 46 | 47 50 | 51 54 | 55 58 | 59 62 | 63 66 | 80 |

| ARENA MEDIA | | | | |
|---|---|---|---|---|
| 0'420 | 0'353 | 0'297 | 0'250 | |
| | | | 3051 | |
| 15 18 | 19 22 | 23 26 | 27 30 | |

| ARENA FINA | | | | ARENA MUY FINA | | | | LIMOS+ARCILLA | |
|---|---|---|---|---|---|---|---|---|---|
| 0'210 | 0'176 | 0'148 | 0'125 | 0'105 | 0'088 | 0'074 | 0'062 | < 0'062 | |
| | | | 6839 | | | | 085 | 009 | 2 |
| 31 34 | 35 38 | 39 42 | 43 46 | 47 50 | 51 54 | 55 58 | 59 62 | 63 66 | 80 |

EDAD _____

| S | SS | SR | SSR | P | SP | SSP | I | 2 | S | SS | SR | SSR | P | SP | SSP | I | 2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T | B | I | C | 2 | | | | | T | B | 2 | | | | | | |
| 19 | | | | | | | | 28 | 29 | | | | | | | | 38 |

PROCEDIMIENTO DE DATACION

| | | | |
|---|---|---|---|
| FOSILES Y POSICION ESTRATIGRAFICA | A | FOSILES | F |
| FOSILES Y MICROFACIES | B | ESTRATIGRAFICA | E |
| FOSILES Y LITOLOGIA | C | MICROFACIES | M |
| LITOLOGIA Y POSICION ESTRATIGRAFICA | D | LITOLOGIA | L |
| MICROFACIES Y POSICION ESTRATIGRAFICA | G | | |

39

VALORACION

| | |
|---|---|
| BUENA | B |
| PROBABLE | P |
| DUDOSA | D |

40

AMBIENTE _____

OBSERVACIONES _____

INFORMACION ADICIONAL 41 | 3 | 80

INSTITUTO GEOLOGICO Y MINERO DE ESPAÑA

MAGNA

# ANALISIS GRANULOMETRICOS

| Nº HOJA | EMP | REC. | Nº MUESTRA | TA | PROFUNDIDAD (m.) |
|---|---|---|---|---|---|
| 0841 | AD | LE | 535 | | |
| 1–4 | 5–6 | 7–8 | 9–13 | 14 | 15–18 |

| GRAVAS | | | ARENA MUY GRUESA | | | | ARENA GRUESA | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| >4 | 4 | 2 | 1.682 | 1.414 | 1.189 | 1 | 0'840 | 0'707 | 0'594 | 0'500 | |
| | | | | | | | | | | 115 | 1 |
| 23–26 | 27–30 | 31–34 | 35–38 | 39–42 | 43–46 | 47–50 | 51–54 | 55–58 | 59–62 | 63–66 | 80 |

| ARENA MEDIA | | | |
|---|---|---|---|
| 0'420 | 0'353 | 0'297 | 0'250 |
| | | | 934 |
| 15–18 | 19–22 | 23–26 | 27–30 |

| ARENA FINA | | | | ARENA MUY FINA | | | | LIMOS+ARCILLA | |
|---|---|---|---|---|---|---|---|---|---|
| 0'210 | 0'176 | 0'148 | 0'125 | 0'105 | 0'088 | 0'074 | 0'062 | < 0'062 | |
| | | | 1894 | | | | 3635 | 3440 | 2 |
| 31–34 | 35–38 | 39–42 | 43–46 | 47–50 | 51–54 | 55–58 | 59–62 | 63–66 | 80 |

EDAD _____

| S | SS | SR | SSR | P | SP | SSP | I | 2 | S | SS | SR | SSR | P | SP | SSP | I | 2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T | B | I | C | 2 | | | | | T | B | 2 | | | | | | |
| 19 | | | | | | | | 28 | 29 | | | | | | | | 38 |

PROCEDIMIENTO DE DATACION

FOSILES Y POSICION ESTRATIGRAFICA _ A
FOSILES Y MICROFACIES _____ B
FOSILES Y LITOLOGIA _____ C
LITOLOGIA Y POSICION ESTRATIGRAFICA _ D
MICROFACIES Y POSICION ESTRATIGRAFICA _ G

FOSILES _____ F
ESTRATIGRAFICA _ E
MICROFACIES _____ M
LITOLOGIA _____ L

39

VALORACION

BUENA _____ B
PROBABLE _ P
DUDOSA _____ D

40

AMBIENTE _____

OBSERVACIONES _____

INFORMACION ADICIONAL 3

41 80

INSTITUTO GEOLOGICO Y MINERO DE ESPAÑA

# ANALISIS GRANULOMETRICOS

MAGNA

| Nº HOJA | EMR | REC. | Nº MUESTRA | TA | PROFUNDIDAD (m.) |
|---|---|---|---|---|---|
| 0841 (1–4) | AD (5–6) | LE (7–8) | 536 (9–11) | (12–14) | (15–18) |

(19–22)

## GRAVAS

| >4 | 4 | 2 |
|---|---|---|
| (23–26) | (27–30) | (31–34) |

## ARENA MUY GRUESA

| 1.682 | 1.414 | 1.189 | 1 |
|---|---|---|---|
| (35–38) | (39–42) | (43–46) | (47–50) |

## ARENA GRUESA

| 0'840 | 0'707 | 0'594 | 0'500 |
|---|---|---|---|
| (51–54) | (55–58) | (59–62) | 008 (63–66) |

1 (80)

## ARENA MEDIA

| 0'420 | 0'353 | 0'297 | 0'250 |
|---|---|---|---|
| (15–18) | (19–22) | (23–26) | 188 (27–30) |

## ARENA FINA

| 0'210 | 0'176 | 0'148 | 0'125 |
|---|---|---|---|
| (31–34) | (35–38) | (39–42) | 1603 (43–46) |

## ARENA MUY FINA

| 0'105 | 0'088 | 0'074 | 0'062 |
|---|---|---|---|
| (47–50) | (51–54) | (55–58) | 4044 (59–62) |

## LIMOS+ARCILLA

| < 0'062 |
|---|
| 4155 (63–66) |

2 (80)

EDAD _____

| S | SS | SR | SSR | P | SP | SSP | I | 2 |
|---|---|---|---|---|---|---|---|---|
| T | B | I | C | 2 | | | | |

(19–28)

| S | SS | SR | SSR | P | SP | SSP | I | 2 |
|---|---|---|---|---|---|---|---|---|
| T | B | 2 | | | | | | |

(29–38)

**PROCEDIMIENTO DE DATACION**

FOSILES Y POSICION ESTRATIGRAFICA _ A
FOSILES Y MICROFACIES _____ B
FOSILES Y LITOLOGIA _____ C
LITOLOGIA Y POSICION ESTRATIGRAFICA _ D
MICROFACIES Y POSICION ESTRATIGRAFICA _ G

FOSILES _____ F
ESTRATIGRAFICA _ E
MICROFACIES _____ M
LITOLOGIA _____ L

(39)

**VALORACION**

BUENA _____ B
PROBABLE _ P
DUDOSA _____ D

(40)

AMBIENTE _____

OBSERVACIONES _____

INFORMACION ADICIONAL (41)

3 (80)

INSTITUTO GEOLOGICO Y MINERO DE ESPAÑA

# ANALISIS GRANULOMETRICOS

MAGNA

| Nº HOJA | EMP | REC. | Nº MUESTRA | TA | PROFUNDIDAD (m) |
|---|---|---|---|---|---|
| 0841 | ADLE | | 537 | | |
| 1 | 5 | 7 | 9 | 14 | 15 18 |

19 22

| GRAVAS | | | ARENA MUY GRUESA | | | | ARENA GRUESA | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| >4 | 4 | 2 | 1.682 | 1.414 | 1.189 | 1 | 0'840 | 0'707 | 0'594 | 0'500 | |
| | | | | | | 015 | | | | 048 | 1 |
| 23 26 | 27 30 | 31 34 | 35 38 | 39 42 | 43 46 | 47 50 | 51 54 | 55 58 | 59 62 | 63 66 | 80 |

| ARENA MEDIA | | | |
|---|---|---|---|
| 0'420 | 0'353 | 0'297 | 0'250 |
| | | | 655 |
| 15 18 | 19 22 | 23 26 | 27 30 |

| ARENA FINA | | | | ARENA MUY FINA | | | | LIMOS+ARCILLA | |
|---|---|---|---|---|---|---|---|---|---|
| 0'210 | 0'176 | 0'148 | 0'125 | 0'105 | 0'088 | 0'074 | 0'062 | < 0'062 | |
| | | | 6120 | | | | 2512 | 686 | 2 |
| 31 34 | 35 38 | 39 42 | 43 46 | 47 50 | 51 54 | 55 58 | 59 62 | 63 66 | 80 |

EDAD _____

| S | SS | SR | SSR | P | SP | SSP | 1 | 2 | S | SS | SR | SSR | P | SP | SSP | 1 | 2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T | B | 1 | C | 2 | | | | | T | B | 2 | | | | | | |
| 19 | | | | | | | | 28 | 29 | | | | | | | | 38 |

PROCEDIMIENTO DE DATACION

FOSILES Y POSICION ESTRATIGRAFICA _ A
FOSILES Y MICROFACIES _____ B
FOSILES Y LITOLOGIA _____ C
LITOLOGIA Y POSICION ESTRATIGRAFICA _ D
MICROFACIES Y POSICION ESTRATIGRAFICA _ G
FOSILES _____ F
ESTRATIGRAFICA _ E
MICROFACIES _____ M
LITOLOGIA _____ L

39

VALORACION

BUENA _____ B
PROBABLE _ P
DUDOSA _____ D

40

AMBIENTE _____

OBSERVACIONES _____

INFORMACION ADICIONAL 3

41 80

INSTITUTO GEOLOGICO Y MINERO DE ESPAÑA

# ANALISIS GRANULOMETRICOS

MAGNA

| Nº HOJA | EMR | REC. | Nº MUESTRA | TA | PROFUNDIDAD (m.) |
|---|---|---|---|---|---|
| 0841 | AD | LE | 538 | | |
| 1 | 5 | 7 | 9 | 14 | 15 18 |

MAGNA: 19 22

| GRAVAS | | | ARENA MUY GRUESA | | | | ARENA GRUESA | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| >4 | 4 | 2 | 1.682 | 1.414 | 1.189 | 1 | 0'840 | 0'707 | 0'594 | 0'500 | |
| | | | | | | 004 | | | | 097 | 1 |
| 23 26 | 27 30 | 31 34 | 35 38 | 39 42 | 43 46 | 47 50 | 51 54 | 55 58 | 59 62 | 63 66 | 80 |

| ARENA MEDIA | | | |
|---|---|---|---|
| 0'420 | 0'353 | 0'297 | 0'250 |
| | | | 847 |
| 15 18 | 19 22 | 23 26 | 27 30 |

| ARENA FINA | | | | ARENA MUY FINA | | | | LIMOS+ARCILLA | |
|---|---|---|---|---|---|---|---|---|---|
| 0'210 | 0'176 | 0'148 | 0'125 | 0'105 | 0'088 | 0'074 | 0'062 | < 0'062 | |
| | | | 711 | | | | 4882 | 3540 | 2 |
| 31 34 | 35 38 | 39 42 | 43 46 | 47 50 | 51 54 | 55 58 | 59 62 | 63 66 | 80 |

EDAD _____

| S | SS | SR | SSR | P | SP | SSP | I | 2 |
|---|---|---|---|---|---|---|---|---|
| T | B | I | C | 2 | | | | |
| 19 | | | | | | | | 28 |

| S | SS | SR | SSR | P | SP | SSP | I | 2 |
|---|---|---|---|---|---|---|---|---|
| T | B | 2 | | | | | | |
| 29 | | | | | | | | 38 |

PROCEDIMIENTO DE DATACION

FOSILES Y POSICION ESTRATIGRAFICA _ A
FOSILES Y MICROFACIES _____ B
FOSILES Y LITOLOGIA _____ C
LITOLOGIA Y POSICION ESTRATIGRAFICA _ D
MICROFACIES Y POSICION ESTRATIGRAFICA _ G

FOSILES _____ F
ESTRATIGRAFICA _ E
MICROFACIES _____ M
LITOLOGIA _____ L

39

VALORACION

BUENA _____ B
PROBABLE _ P
DUDOSA _____ D

40

AMBIENTE _____

OBSERVACIONES _____

INFORMACION ADICIONAL 3

41 80

INSTITUTO GEOLOGICO Y MINERO DE ESPAÑA

# ANALISIS GRANULOMETRICOS

MAGNA

| Nº HOJA | EMP | REC. | Nº MUESTRA | TA | PROFUNDIDAD (m.) |
|---|---|---|---|---|---|
| 0841 | ADLE | | 539 | | |
| 1–4 | 5–6 | 7–8 | 9–13 | 14 | 15–18 |

MAGNA: 19–22

| GRAVAS | | | ARENA MUY GRUESA | | | | ARENA GRUESA | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| >4 | 4 | 2 | 1.682 | 1.414 | 1.189 | 1 | 0'840 | 0'707 | 0'594 | 0'500 | |
| | | | | | | 044 | | | | 167 | 1 |
| 23–26 | 27–30 | 31–34 | 35–38 | 39–42 | 43–46 | 47–50 | 51–54 | 55–58 | 59–62 | 63–66 | 80 |

| ARENA MEDIA | | | |
|---|---|---|---|
| 0'420 | 0'353 | 0'297 | 0'250 |
| | | | 1435 |
| 15–18 | 19–22 | 23–26 | 27–30 |

| ARENA FINA | | | | ARENA MUY FINA | | | | LIMOS+ARCILLA | |
|---|---|---|---|---|---|---|---|---|---|
| 0'210 | 0'176 | 0'148 | 0'125 | 0'105 | 0'088 | 0'074 | 0'062 | < 0'062 | |
| | | | 923 | | | | 4274 | 3218 | 2 |
| 31–34 | 35–38 | 39–42 | 43–46 | 47–50 | 51–54 | 55–58 | 59–62 | 63–66 | 80 |

EDAD _____

| S | SS | SR | SSR | P | SP | SSP | I | 2 |
|---|---|---|---|---|---|---|---|---|
| T | B | I | C | 2 | | | | |

19–28

| S | SS | SR | SSR | P | SP | SSP | I | 2 |
|---|---|---|---|---|---|---|---|---|
| T | B | 2 | | | | | | |

29–38

PROCEDIMIENTO DE DATACION

FOSILES Y POSICION ESTRATIGRAFICA _ A
FOSILES Y MICROFACIES _____ B
FOSILES Y LITOLOGIA _____ C
LITOLOGIA Y POSICION ESTRATIGRAFICA _ D
MICROFACIES Y POSICION ESTRATIGRAFICA _ G
FOSILES _____ F
ESTRATIGRAFICA _ E
MICROFACIES _____ M
LITOLOGIA _____ L

39

VALORACION

BUENA _____ B
PROBABLE _ P
DUDOSA ____ D

40

AMBIENTE _____

OBSERVACIONES _____

INFORMACION ADICIONAL 3

41 80

INSTITUTO GEOLOGICO Y MINERO DE ESPAÑA

# ANALISIS GRANULOMETRICOS

MAGNA

| Nº HOJA (1–4) | EMP (5–6) | REC. (7–8) | Nº MUESTRA (9–13) | TA (14) | PROFUNDIDAD (m) (15–18) |
|---|---|---|---|---|---|
| 0841 | AD | LE | 540 | | |

MAGNA (19–22):

| GRAVAS | | | ARENA MUY GRUESA | | | | ARENA GRUESA | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| >4 (23–26) | 4 (27–30) | 2 (31–34) | 1.682 (35–38) | 1.414 (39–42) | 1.189 (43–46) | 1 (47–50) | 0'840 (51–54) | 0'707 (55–58) | 0'594 (59–62) | 0'500 (63–66) | 1 (80) |
| | | | | | | | | | | 383 | |

| ARENA MEDIA | | | |
|---|---|---|---|
| 0'420 (15–18) | 0'353 (19–22) | 0'297 (23–26) | 0'250 (27–30) |
| | | | 357 |

| ARENA FINA | | | | ARENA MUY FINA | | | | LIMOS+ARCILLA | |
|---|---|---|---|---|---|---|---|---|---|
| 0'210 (31–34) | 0'176 (35–38) | 0'148 (39–42) | 0'125 (43–46) | 0'105 (47–50) | 0'088 (51–54) | 0'074 (55–58) | 0'062 (59–62) | < 0'062 (63–66) | 2 (80) |
| | | | 4989 | | | | 3912 | 356 | |

EDAD _____

| S | SS | SR | SSR | P | SP | SSP | I | 2 | (19–28) |
|---|---|---|---|---|---|---|---|---|---|
| T | B | I | C | 2 | | | | | |

| S | SS | SR | SSR | P | SP | SSP | I | 2 | (29–38) |
|---|---|---|---|---|---|---|---|---|---|
| T | B | 2 | | | | | | | |

PROCEDIMIENTO DE DATACION

- FOSILES Y POSICION ESTRATIGRAFICA _ A
- FOSILES Y MICROFACIES _ B
- FOSILES Y LITOLOGIA _ C
- LITOLOGIA Y POSICION ESTRATIGRAFICA _ D
- MICROFACIES Y POSICION ESTRATIGRAFICA _ G
- FOSILES _ F
- ESTRATIGRAFICA _ E
- MICROFACIES _ M
- LITOLOGIA _ L

(39)

VALORACION

- BUENA _ B
- PROBABLE _ P
- DUDOSA _ D

(40)

AMBIENTE _____

OBSERVACIONES _____

INFORMACION ADICIONAL (41) 3 (80)