

試験結果報告書

殿

工事名：

試験の種類：山ズリ石

試験年月日：令和7年4月1日

北九州市小倉南区大字呼野1035番地5

株式会社 西村碎石所呼野工場



試験結果総括表

年 月 日

北九州市小倉南区大字呼野1035-5

株式会社 西村 砕石所

試験者 浮洲 真悟



山ずり石 試験成績表

山ずり石 試験結果は下記のとおりです

試験成績表

| 検査項目 | JISA5001の規格 | 試験結果 |
|--------|-------------|------------------------------------|
| 絶乾密度 | | 2.74 |
| 吸水率 | | 0.534% |
| 粒度 | | 別紙試験表参照 |
| 単位容積質量 | | 1.63 ^{トン} /m ³ |
| 最適含水比 | | 5.50% |
| 最大乾燥密度 | | 2.16 g/cm ³ |
| 修正CBR | | 54% |
| P . I | | N . P |
| すりへり減量 | | — |

| JISA1110 | | 粗骨材の密度及び吸水量試験 | |
|-----------------------------|-----------------|---------------|-------|
| 試験の種類 山ずり石 | | | |
| 試料の採取場所 北九州市小倉南区大字呼野1035-5 | | | |
| 骨材最大寸法 40 mm | | | |
| 試験時の水温 19.0 °C | | | |
| 測定番号 | | 1 | 2 |
| (1) 表乾試料+容器質量 g | | 3,515 | 3,402 |
| (2) 容器質量 g | | 820 | 820 |
| (3) 表乾試料質量 g | (1)-(2) | 2,695 | 2,582 |
| (4) (カゴ+試料)の水中質量 g | | 2,146 | 2,072 |
| (5) カゴの水中質量 g | | 430 | 430 |
| (6) 試料の水中質量 g | (4)-(5) | 1,716 | 1,642 |
| (7) 表乾密度 g/cm ³ | (3)/((3)-(6)) | 2.753 | 2.747 |
| 平均値 | | 2.75 | |
| (8) 乾燥後の試料質量 g | | 2,681 | 2,568 |
| (9) 絶乾密度 g/cm ³ | (8)/((3)-(6)) | 2.739 | 2.732 |
| 平均値 | | 2.74 | |
| (10) 見掛密度 g/cm ³ | (8)/((8)-(6)) | 2.778 | 2.773 |
| 平均値 | | 2.78 | |
| 吸水率 % | (3)-(8)/(8)×100 | 0.522 | 0.545 |
| 平均値 | | 0.534 | |
| 備考 | | | |

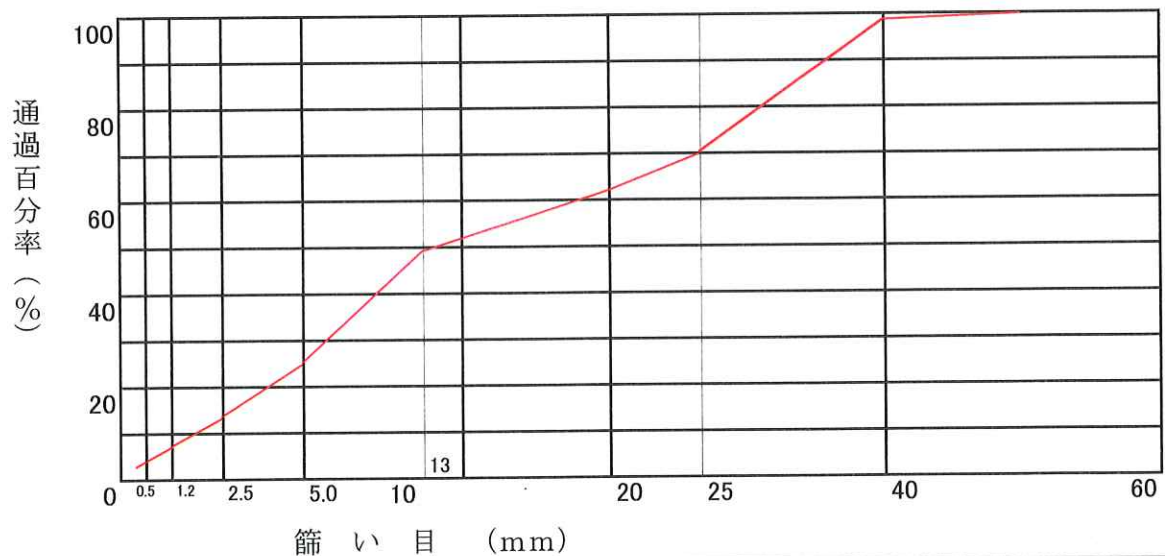
篩 い 分 け 試 験

試験の種類 山ざり石

粒度範囲 (mm) 40 - 0

| 篩い目の 呼び寸法 (mm) | 累加残留 試料質量 (g) | 加積残留 率 (%) | 通過質量 百分率 (%) | 粒度範囲 (通過百分率) |
|----------------------|---------------------|---------------|-----------------|-----------------|
| 50 | 0 | 0 | 100 | |
| 40 | 201 | 1 | 99 | |
| 30 | | | | |
| 25 | 5,045 | 25 | 75 | |
| 20 | 7,856 | 39 | 61 | |
| 13 | 10,277 | 51 | 49 | |
| 5 | 15,312 | 76 | 24 | |
| 2.5 | 17,529 | 87 | 13 | |
| 1.2 | 18,741 | 93 | 7 | |
| 0.6 | | | | |
| 0.4 | 19,543 | 97 | 3 | |
| 0.3 | | | | |
| 0.15 | | | | |
| 0.075 | | | | |
| 皿 | 20,153 | 100 | 0 | |
| 合 計 | 20,153 | | | |

粒 度 曲 線



| JISA1104 骨材の単位容積質量試験 | | | | |
|---|--------|-------|--------|-------|
| 試験の種類 山ずり石 | | | | |
| 試験日の状態 室温 24 (°C) 湿度 58 (%) | | | | |
| 資料の採取場所 北九州市小倉南区大字呼野 | | | | |
| 測定番号 | 軽装 | | 重装 | |
| | 1 | 2 | 3 | 4 |
| ①容器容積 <small>リットル</small> | 10 | 10 | 10 | 10 |
| ②試料と容器の質量 <small>kg</small> | 20.27 | 20.28 | 22.65 | 22.69 |
| ③容器質量 <small>kg</small> | 6.02 | 6.02 | 6.02 | 6.02 |
| ④試料質量 <small>kg</small> | 14.25 | 14.26 | 16.63 | 16.67 |
| ⑤単位容積質量 ④/① <small>kg/リットル</small> | 1.425 | 1.426 | 1.663 | 1.667 |
| ⑥許容差 | 4 < 14 | | 4 < 16 | |
| ⑦平均値 | 1.426 | | 1.665 | |
| <p>備考</p> <p>試験時の含水比 $W=1.98\%$</p> <p>軽装 スコップ盛り</p> <p>$1.426 \div 1.0198 = 1.398 \div 1.40$ (kg/リットル)</p> <p>重装 3層×30回 棒突き (JISA1104)</p> <p>$1.665 \div 1.0198 = 1.633 \div 1.63$ (kg/リットル)</p> | | | | |

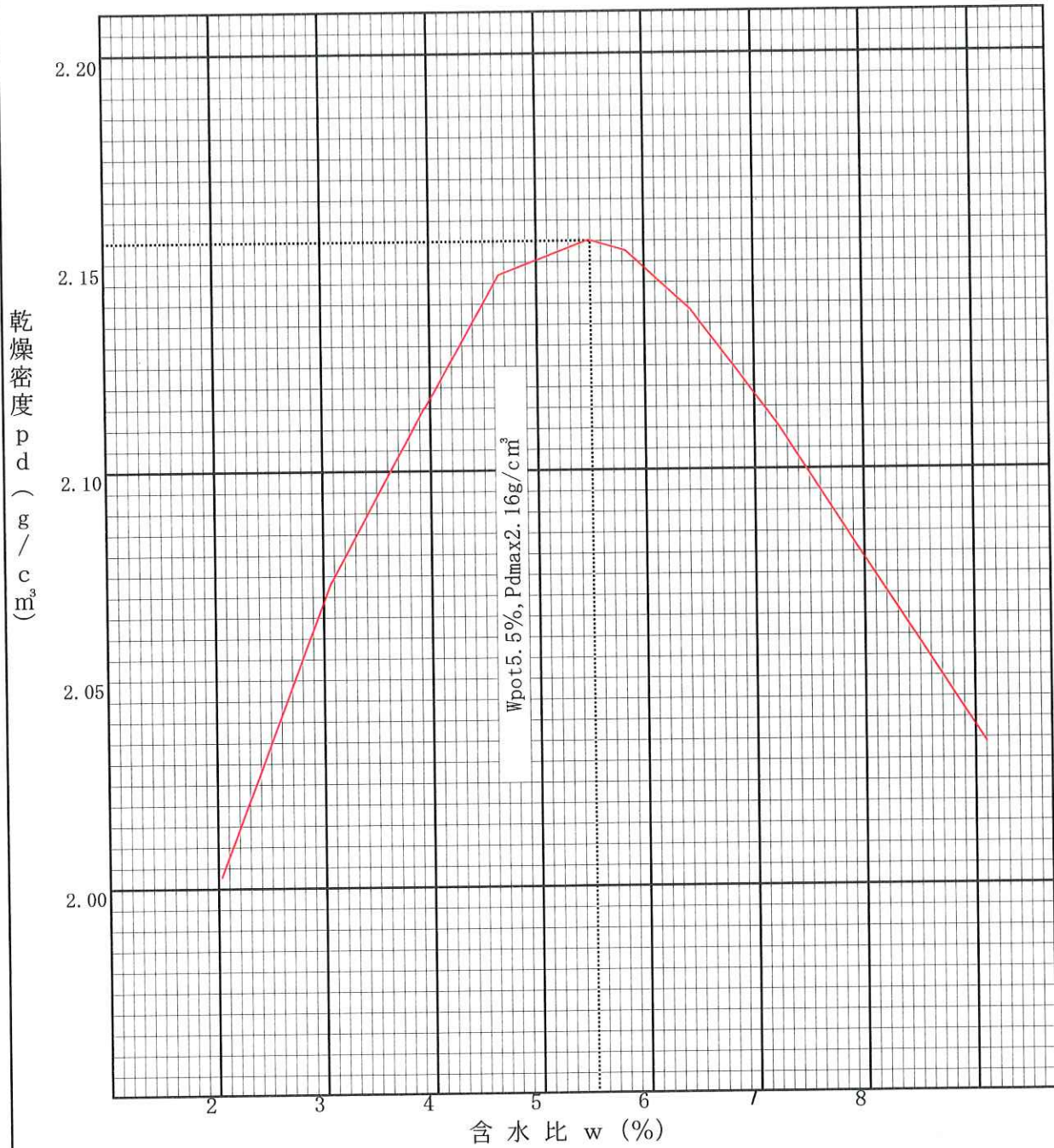
| JISA 1210 | | 突固めによる土の締固め試験 I | | | |
|------------------------------|---------------|-----------------|---------------|------------------------------|--|
| 試験の種類 山ずり石 | | | | | |
| 試料の採取場所 北九州市小倉南区大字呼野 | | | | | |
| 突固めの方法： 第1方法 | | ： (第2方法) | | 試験区分： 10cmモールド法： (15cmモールド法) | |
| 試料準備方法： 乾燥法 | | ： (非乾燥法) | | 試料の使用方法： 繰返し法： (非繰返し法) | |
| 試料準備にあたり乾燥法を用いた場合： 乾燥処理前の含水比 | | % | | 乾燥処理後の含水比 | |
| 制限粒径以上の粗粒分の乾燥質量百分率 | | % | | モールドの質量No.6 8968 g | |
| 測定番号 | 1 | 2 | 3 | 4 | |
| (試験+モールド) 質量 g | 13,536 | 13,691 | 13,826 | 13,934 | |
| 試料湿潤質量 g | 4,568 | 4,723 | 4,858 | 4,966 | |
| 湿潤密度 pt g/c m ³ | 2.068 | 2.138 | 2.199 | 2.248 | |
| 含水比測定 | No.B 8 | No.B 62 | No.B 13 | No.B 36 | |
| | WW2243 DW2202 | WW2216 DW2156 | WW2233 DW2155 | WW2332 DW2236 | |
| | DW2202 TW 192 | DW2156 TW 211 | DW2155 TW 195 | DW2236 TW 219 | |
| | Ww 41 Ws2010 | Ww 60 Ws1935 | Ww 78 Ws1960 | Ww 96 Ws2017 | |
| w= 2.04 % | w= 3.10 % | w= 3.98 % | w= 4.76 % | | |
| No. | No. | No. | No. | | |
| WW DW | WW DW | WW DW | WW DW | | |
| DW TW | DW TW | DW TW | DW TW | | |
| Ww Ws | Ww Ws | Ww Ws | Ww Ws | | |
| w= % | w= % | w= % | w= % | | |
| 平均含水比 W % | 2.04 | 3.10 | 3.98 | 4.76 | |
| 乾燥密度 pdg/c m ³ | 2.027 | 2.074 | 2.115 | 2.146 | |
| 測定番号 | 5 | 6 | 7 | 8 | |
| (試験+モールド) 質量 g | 14,002 | 14,009 | 14,002 | 13,967 | |
| 試料湿潤質量 g | 5,034 | 5,041 | 5,034 | 4,999 | |
| 湿潤密度 pt g/c m ³ | 2.279 | 2.282 | 2.279 | 2.236 | |
| 含水比測定 | No.B 12 | No.B 6 | No.B 10 | No.B 33 | |
| | WW2553 DW2430 | WW2571 DW2440 | WW2453 DW2317 | WW2506 DW2352 | |
| | DW2430 TW 194 | DW2440 TW 197 | DW2317 TW 195 | DW2352 TW 222 | |
| | Ww 123 Ws2236 | Ww 131 Ws2243 | Ww 136 Ws2122 | Ww 154 Ws2130 | |
| w= 5.50 % | w= 5.84 % | w= 6.41 % | w= 7.23 % | | |
| No. | No. | No. | No. | | |
| WW DW | WW DW | WW DW | WW DW | | |
| DW TW | DW TW | DW TW | DW TW | | |
| Ww Ws | Ww Ws | Ww Ws | Ww Ws | | |
| w= % | w= % | w= % | w= % | | |
| 平均含水比 W % | 5.50 | 5.84 | 6.41 | 7.23 | |
| 乾燥密度 pdg/c m ³ | 2.160 | 2.156 | 2.142 | 2.110 | |

JISA 1210

土の突き固め試験Ⅱ

報告用紙

試験の種類 山ずり石

最適含水比 w_{opt} 5.50 %最大乾燥密度 p_{dmax} 2.16 g/cm^3 

| JISA 1211 | | C B R 試験 (乱した土の室内試験) a - 1 | | | | | | 報告用紙 | | | | | | |
|--|-----------------|----------------------------|----------|-----------------------------------|---------------------------|---------------------------|---------------------------|-------|-------|--------|-------|-------|-------|-------|
| 試験の種類 山ずり石 | | | | | | | | | | | | | | |
| 試験の含水比 5.46 % | | | | | | | | | | | | | | |
| 試験条件 : 水浸 (非繰返し法) | | | | | | | | | | | | | | |
| 試料番号 No. | モールド番号 | (湿潤試料+モールド)質量 g | モールド質量 g | 湿潤試料質量 g | モールド体積 V cm ³ | 湿潤密度 pt g/cm ³ | 乾燥密度 pd g/cm ³ | | | | | | | |
| 3層×92回 | 1 | 6 | 14,011 | 8,968 | 5,043 | 2,209 | 2.283 | 2.165 | | | | | | |
| | 2 | 2 | 13,879 | 8,843 | 5,037 | 〃 | 2.280 | 2.162 | | | | | | |
| | 3 | 1 | 13,745 | 8,728 | 5,017 | 〃 | 2.271 | 2.153 | | | | | | |
| | 平均 | | | | 5,032 | 〃 | 2.278 | 2.160 | | | | | | |
| 3層×42回 | 1 | 9 | 13,420 | 8,602 | 4,818 | 2,209 | 2.181 | 2.068 | | | | | | |
| | 2 | 8 | 13,265 | 8,480 | 4,785 | 〃 | 2.166 | 2.045 | | | | | | |
| | 3 | 7 | 13,560 | 8,806 | 4,754 | 〃 | 2.152 | 2.041 | | | | | | |
| | 平均 | | | | 4,786 | 〃 | 2.166 | 2.045 | | | | | | |
| 3層×17回 | 1 | 3 | 13,045 | 8,490 | 4,564 | 2,209 | 2.066 | 1.959 | | | | | | |
| | 2 | 5 | 13,273 | 8,740 | 4,533 | 〃 | 2.052 | 1.946 | | | | | | |
| | 3 | 4 | 13,238 | 8,714 | 4,524 | 〃 | 2.048 | 1.942 | | | | | | |
| | 平均 | | | | 4,520 | 〃 | 2.055 | 1.949 | | | | | | |
| 2. 貫入試験 ピストン断面積 19.625 cm² | | | | | | | | | | | | | | |
| 貫入量 mm | | 0 | 0.5 | 1.0 | 1.5 | 2.0 | 2.5 | 3.0 | 4.0 | 5.0 | 7.5 | 10.0 | | |
| 荷重読み kg | 3層×92回 | 1 | 0 | 340 | 640 | 910 | 1,170 | 1,420 | 1,640 | 2,080 | 2,510 | 3,530 | 4,330 | |
| | | 2 | 0 | 330 | 630 | 900 | 1,120 | 1,350 | 1,560 | 1,920 | 2,340 | 3,270 | 4,040 | |
| | | 3 | 0 | 310 | 580 | 820 | 1,040 | 1,260 | 1,460 | 1,830 | 2,200 | 3,050 | 3,760 | |
| | | 平均 | 0 | 330 | 620 | 880 | 1,110 | 1,340 | 1,550 | 1,950 | 2,350 | 3,280 | 4,040 | |
| | 3層×42回 | 1 | 0 | 210 | 380 | 550 | 690 | 840 | 960 | 1,200 | 1,420 | 1,950 | 2,470 | |
| | | 2 | 0 | 190 | 350 | 500 | 630 | 760 | 880 | 1,100 | 1,300 | 1,770 | 2,160 | |
| | | 3 | 0 | 170 | 320 | 450 | 580 | 690 | 810 | 1,010 | 1,200 | 1,620 | 1,980 | |
| | | 平均 | 0 | 190 | 350 | 500 | 630 | 760 | 880 | 1,100 | 1,310 | 1,780 | 2,200 | |
| | 3層×17回 | 1 | 0 | 140 | 250 | 350 | 420 | 500 | 570 | 710 | 850 | 1,200 | 1,450 | |
| | | 2 | 0 | 90 | 190 | 280 | 370 | 450 | 520 | 660 | 780 | 1,060 | 1,260 | |
| | | 3 | 0 | 90 | 180 | 260 | 340 | 400 | 460 | 580 | 680 | 900 | 1,050 | |
| | | 平均 | 0 | 110 | 210 | 300 | 380 | 450 | 520 | 650 | 770 | 1,050 | 1,250 | |
| 3. C B R | | | | | | | | | | | | | | |
| C B R % | | 3層×92回 | | | | 3層×42回 | | | | 3層×17回 | | | | 標準荷重 |
| | | 1 | 2 | 3 | 平均 | 1 | 2 | 3 | 平均 | 1 | 2 | 3 | 平均 | |
| 2.5mm貫入 | | 104 | 99 | 92 | 98 | 61 | 55 | 50 | 55 | 36 | 33 | 29 | 33 | 1,370 |
| 5.0mm貫入 | | | | | | | | | | | | | | |
| 7.5mm貫入 | | | | | | | | | | | | | | |
| 4. 吸水膨張試験 供試体の始めの高さ cm | | | | | | | | | | | | | | |
| 試料番号 | | 6 | | | | 9 | | | | 3 | | | | |
| 膨張収縮量 mm | | 0 | | | | 0 | | | | 0 | | | | |
| 膨張収縮比 % | | 0 | | | | 0 | | | | 0 | | | | |
| 5. 吸水後の供試体の乾燥密度 r' d 及び含水比 w' | | | | | | | | | | | | | | |
| 試料番号 | (湿潤試料+モールド)質量 g | 湿潤試料質量 g | 膨張比 re% | 供試体体積 V (1+re/100)cm ³ | 湿潤密度 pt g/cm ³ | 乾燥密度 pd g/cm ³ | 含水比 w % | | | | | | | |
| 6 | 14,091 | 5,123 | 0 | 2,209 | 2.319 | 2.165 | 7.11 | | | | | | | |
| 9 | 13,524 | 4,922 | 0 | 〃 | 2.228 | 2.068 | 7.74 | | | | | | | |
| 3 | 13,164 | 4,674 | 0 | 〃 | 2.116 | 1.959 | 8.01 | | | | | | | |
| $p' d = 100pd / (100 + re)$ $w' = p' (100 + re) / pd - 100 = 100(p' t / p' d - 1)$ | | | | | | | | | | | | | | |

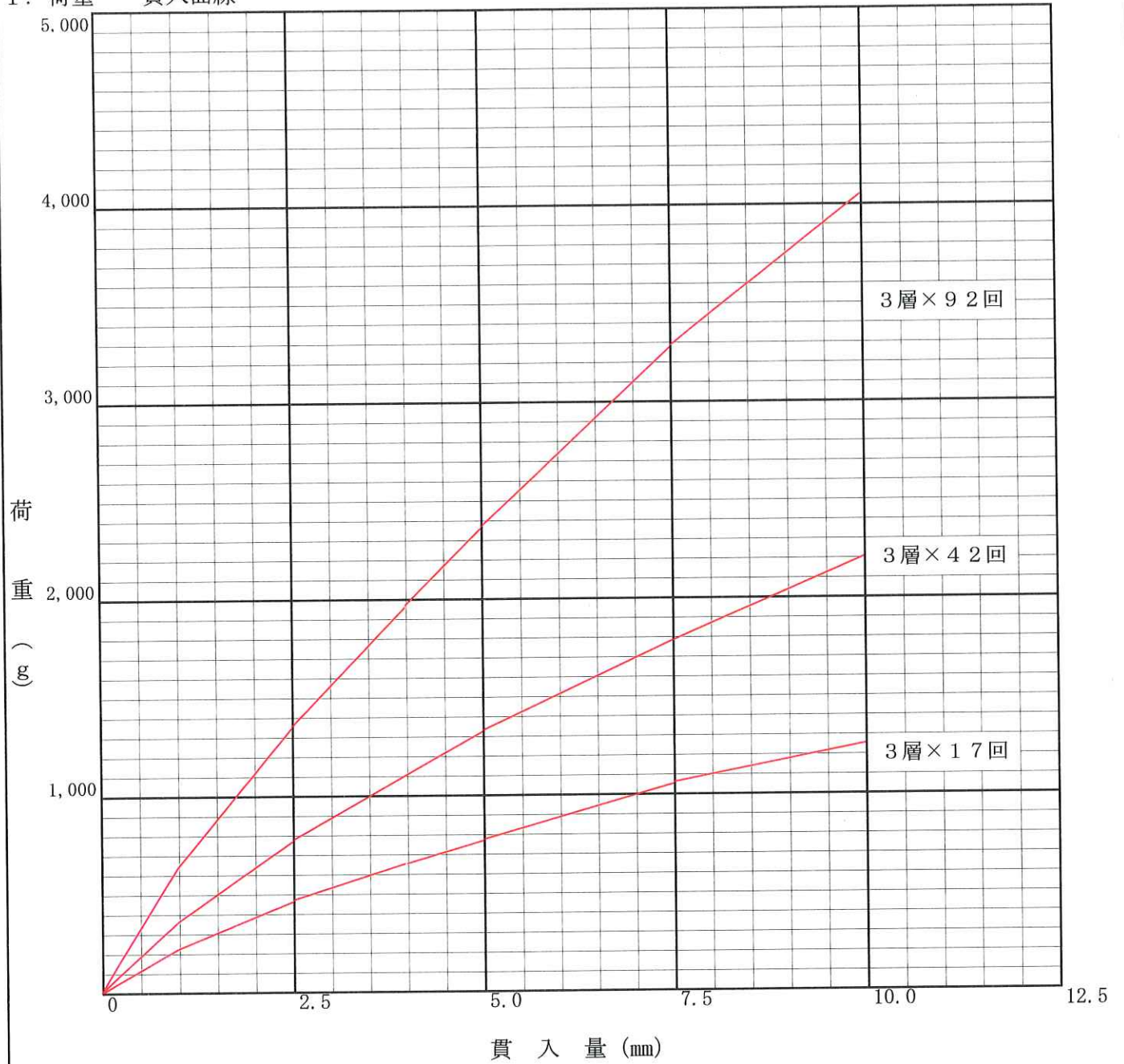
JISA 1211

CBR試験 (乱した土の室内実験) b

報告用紙

試験の種類 山ずり石

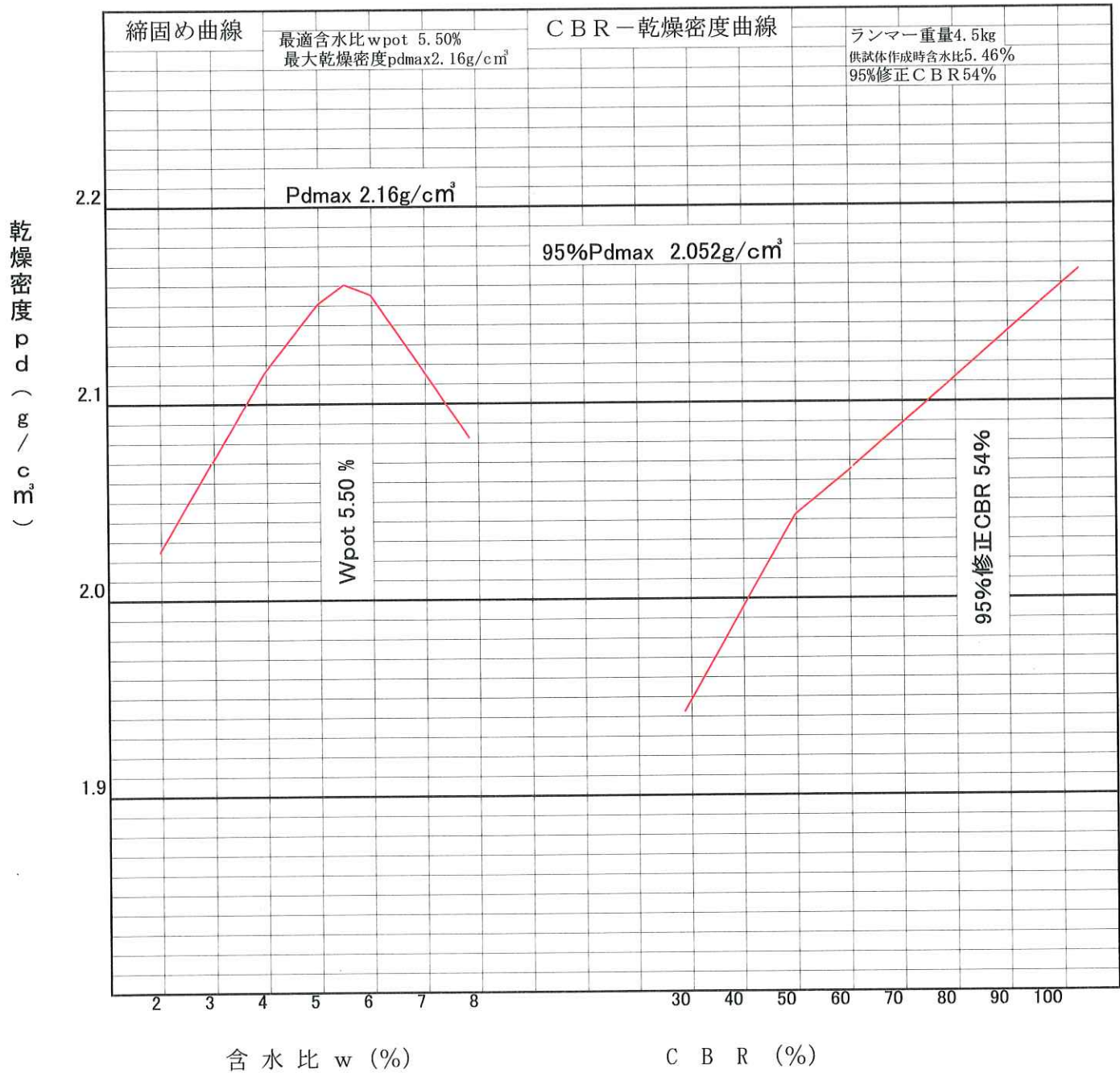
1. 荷重--貫入曲線



JISA 1211 C B R 試験結果 (密度) I

試験の種類 山ずり石

| 突固め回数 | 9 2 回 3 層 | | | 4 2 回 3 層 | | | 1 7 回 3 層 | | |
|-----------------------------|-----------|-------|-------|-----------|-------|-------|-----------|-------|-------|
| 供試体記号 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| p d (g / c m ³) | 2.165 | 2.162 | 2.153 | 2.068 | 2.054 | 2.041 | 1.959 | 1.946 | 1.942 |
| CBR 2.5 (%) | 104 | 99 | 92 | 61 | 55 | 50 | 36 | 33 | 29 |
| CBR 5.0 (%) | | | | | | | | | |



JIS A 1205,1206

液性限界、塑性限界試験結果

報告用紙

試験の種類 山ずり石

試料は標準篩い0.425mmを通過したもの

① 液性限界試験 (L L)

| 1 | 2 | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---------|--------|---------|---------|---------|---------|--------|---------|-----------|--|--|-----|--|----|----|----|----|----|----|------|--|--|-----|--|----|----|----|----|----|----|------|--|
| 落下回数 10 回 | 落下回数 回 | 落下回数 回 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="0"> <tr><td colspan="2">No.</td></tr> <tr><td>WW 76.6</td><td>DW 70.4</td></tr> <tr><td>DW 70.4</td><td>TW 29.2</td></tr> <tr><td>Ww 6.2</td><td>Ws 41.2</td></tr> <tr><td colspan="2">W= 15.0 %</td></tr> </table> | No. | | WW 76.6 | DW 70.4 | DW 70.4 | TW 29.2 | Ww 6.2 | Ws 41.2 | W= 15.0 % | | <table border="0"> <tr><td colspan="2">No.</td></tr> <tr><td>WW</td><td>DW</td></tr> <tr><td>DW</td><td>TW</td></tr> <tr><td>Ww</td><td>Ws</td></tr> <tr><td colspan="2">W= %</td></tr> </table> | No. | | WW | DW | DW | TW | Ww | Ws | W= % | | <table border="0"> <tr><td colspan="2">No.</td></tr> <tr><td>WW</td><td>DW</td></tr> <tr><td>DW</td><td>TW</td></tr> <tr><td>Ww</td><td>Ws</td></tr> <tr><td colspan="2">W= %</td></tr> </table> | No. | | WW | DW | DW | TW | Ww | Ws | W= % | |
| No. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| WW 76.6 | DW 70.4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DW 70.4 | TW 29.2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ww 6.2 | Ws 41.2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| W= 15.0 % | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| No. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| WW | DW | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DW | TW | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ww | Ws | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| W= % | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| No. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| WW | DW | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DW | TW | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ww | Ws | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| W= % | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | 5 | 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 落下回数 回 | 落下回数 回 | 落下回数 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="0"> <tr><td colspan="2">No.</td></tr> <tr><td>WW</td><td>DW</td></tr> <tr><td>DW</td><td>TW</td></tr> <tr><td>Ww</td><td>Ws</td></tr> <tr><td colspan="2">W= %</td></tr> </table> | No. | | WW | DW | DW | TW | Ww | Ws | W= % | | <table border="0"> <tr><td colspan="2">No.</td></tr> <tr><td>WW</td><td>DW</td></tr> <tr><td>DW</td><td>TW</td></tr> <tr><td>Ww</td><td>Ws</td></tr> <tr><td colspan="2">W= %</td></tr> </table> | No. | | WW | DW | DW | TW | Ww | Ws | W= % | | <table border="0"> <tr><td colspan="2">No.</td></tr> <tr><td>WW</td><td>DW</td></tr> <tr><td>DW</td><td>TW</td></tr> <tr><td>Ww</td><td>Ws</td></tr> <tr><td colspan="2">W= %</td></tr> </table> | No. | | WW | DW | DW | TW | Ww | Ws | W= % | |
| No. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| WW | DW | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DW | TW | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ww | Ws | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| W= % | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| No. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| WW | DW | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DW | TW | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ww | Ws | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| W= % | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| No. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| WW | DW | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DW | TW | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ww | Ws | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| W= % | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

② 塑性限界試験 (P L)

| 1 | 2 | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|-----|---|----|----|----|----|----|----|------|--|--|-----|--|----|----|----|----|----|----|------|--|--|-----|--|----|----|----|----|----|----|------|--|
| <table border="0"> <tr><td colspan="2">No.</td></tr> <tr><td>WW</td><td>DW</td></tr> <tr><td>DW</td><td>TW</td></tr> <tr><td>Ww</td><td>Ws</td></tr> <tr><td colspan="2">W= %</td></tr> </table> | No. | | WW | DW | DW | TW | Ww | Ws | W= % | | <table border="0"> <tr><td colspan="2">No.</td></tr> <tr><td>WW</td><td>DW</td></tr> <tr><td>DW</td><td>TW</td></tr> <tr><td>Ww</td><td>Ws</td></tr> <tr><td colspan="2">W= %</td></tr> </table> | No. | | WW | DW | DW | TW | Ww | Ws | W= % | | <table border="0"> <tr><td colspan="2">No.</td></tr> <tr><td>WW</td><td>DW</td></tr> <tr><td>DW</td><td>TW</td></tr> <tr><td>Ww</td><td>Ws</td></tr> <tr><td colspan="2">W= %</td></tr> </table> | No. | | WW | DW | DW | TW | Ww | Ws | W= % | |
| No. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| WW | DW | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DW | TW | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ww | Ws | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| WW | DW | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DW | TW | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ww | Ws | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| W= % | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| No. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| WW | DW | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DW | TW | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ww | Ws | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| W= % | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| | | |
|------|------|--------|
| 液性限界 | L. L | 15.0 % |
| 塑性限界 | P. L | 0 % |
| 塑性指数 | P. I | N. P % |