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| 様式　１  工事名  　　　　　　　　　　　　　　　　　　　　　工　出　来　形　管　理　表      種目    受注者名 |

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工測定結果一覧表

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| 測定項目 | 測 点 | (A)  設 計 値 | (B)  実 測 値 | (C)=(B)－(A)  差 | 規格値 | (D)  検査測定値 | (E)=(D)－(A) |
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工出来形管理表

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受注者名

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様式　３

工事名 　　工 出 来 形 管 理 図 表

受注者名

測　定　 者

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| 測点番号 |  |
| 月日 |  |
| 設計値との差（㎜） |  |
| 記 事 |  |

様式　4

工事名 　　　　　　　　工 度 数 表

受注者名

測　定　 者

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様式　5

工事名

　　　　　　　　　　　　　　　　　　　　　工　品　質　管　理　表

種目

受注者名

様式　6

調　査　結　果　総　括　表

調　査　名 調査場所

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 調査No.  試験名 | | | |  |
| 採取深度㎝ | | | |  |
| 統一分類記号 | | | |  |
| 名称 | | | |  |
| 粒度分析 | 礫分％ | | |  |
| 砂分％ | | |  |
| 細粒分％ | | |  |
| 60％径㎜ | | |  |
| 30％径㎜ | | |  |
| 10％径㎜ | | |  |
| フルイ通過率％ | 4.75 ㎜ | |  |
| 2.36 ㎜ | |  |
| 0.425 ㎜ | |  |
| 0.075 ㎜ | |  |
| 均等係数　Ｃu | | |  |
| 曲率係数　Ｃc | | |  |
| 物理試験 | 含水比　％ | | |  |
| 液性限界ＬＬ％ | | |  |
| 塑性限界　 ＰＬ％ | | |  |
| 塑性指数　 ＰＩ | | |  |
| 変状土ＣＢＲ | 突固め  回数  67　　回 | |  |  |
| １ |  |
| ２ |  |
| 平均 |  |
| ＣＢＲ　％ | | |  |
| 修 正 Ｃ Ｂ Ｒ 試 験 | 最適含水比　％ | | |  |
| 最大乾燥密度ｇ／㎤ | | |  |
| 最大乾燥密度の95％ | | |  |
| 突固め  回数 | | 17 回 |  |
| 42 回 |  |
| 92 回 |  |
| 修正ＣＢＲ　％ | | |  |

様式　7-1

現場における土の置換法による単位体積重量の測定

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 調査名､目的 試験日程　　令和　　　　年　　　　月　　　　日  測定箇所および測点番号 試 験 者  土の最大粒径 ㎜ 測定器番号  測定器の体積 ㎤ 測定器の重量 ｇ | | | | | | | | | |
| Ⅰ　　試験用砂の単位体積重量の検定 | | | | | | | | | |
| 測定番号 | | １ | ２ | | ３ | | ４ | ５ | 試験用砂の平 均単位体積重量  ｒst  ＝ｇ／㎠ |
| ジャーとピクノメータートップに砂を満たした重量Ｗjs ｇ | |  |  | |  | |  |  |
| 測定器全体の重量Ｗj ｇ | |  |  | |  | |  |  |
| 満たした砂の重量 (Ｗjs－Ｗj) ｇ | |  |  | |  | |  |  |
| ジャーとピクノメータートップとの体積Ｖj ㎤ | |  |  | |  | |  |  |
| 試験用砂の単位体積重量ｒst ｇ／㎤ | |  |  | |  | |  |  |
| Ⅱ　ロト(ベースプレートを含む)を満たすに要する砂の重量検定 | | | | | | | | | |
| 測定番号 | | １ | ２ | | ３ | | ４ | ５ | ロトを満たす に要する砂の 平均重量 Ｗjf  ＝ ｇ |
| ジャーとピクノメータートップに砂を満たした重量Ｗjs ｇ | |  |  | |  | |  |  |
| ロトを満たした砂を除きジャーに残った砂の重量Ｗj2 ｇ | |  |  | |  | |  |  |
| ロトを満たした砂の重量 (Ｗj3－Ｗj2) ＝Ｗjf ｇ | |  |  | |  | |  |  |
| Ⅲ　試験孔からとり出した土の湿潤重量､含水比および乾燥重量の測定 | | | | | | | | | |
| 試験孔の  番号 | 温潤土および乾燥土重量の測定 | | 含 水 比 の 測 定 | | | | | | |
| ～１ | 容器(バケツ)の番号 |  | |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | | 試料箱No. | | | No. | | |  | No. | | |  | ＷＷ |  | | ＤＷ |  | ＷＷ |  | ＤＷ | |  | ＤＷ | ＴＷ |  | ＤＷ |  | ＴＷ | |  | Ｗw | Ｗs |  | Ｗw |  | Ｗs | |  | ｗ＝　　　　　　　％ | | | | | ｗ＝　　　　　　　％ | | | | 平均含水比 ｗ＝ ％ | | | | | | | | | | | | | | | |
| (湿土＋バケツ)の重量 ｇ |  |
| 容器(バケツ)の重量 ｇ |  |
| 湿潤土の重量ＷwA ｇ |  |
| 乾燥土の重量Ｗv ｇ |  |
| ～２ | 容器(バケツ)の番号 |  | |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | | 試料箱No. | | | No. | | |  | No. | | |  | ＷＷ |  | | ＤＷ |  | ＷＷ |  | ＤＷ | |  | ＤＷ | ＴＷ |  | ＤＷ |  | ＴＷ | |  | Ｗw | Ｗs |  | Ｗw |  | Ｗs | |  | ｗ＝　　　　　　　％ | | | | | ｗ＝　　　　　　　％ | | | | 平均含水比 ｗ＝ ％ | | | | | | | | | | | | | | | |
| (湿土＋バケツ)の重量 ｇ |  |
| 容器(バケツ)の重量 ｇ |  |
| 湿潤土の重量ＷwA ｇ |  |
| 乾燥土の重量Ｗv ｇ |  |
| ～３ | 容器(バケツ)の番号 |  | |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | | 試料箱No. | | | No. | | |  | No. | | |  | ＷＷ |  | | ＤＷ |  | ＷＷ |  | ＤＷ | |  | ＤＷ | ＴＷ |  | ＤＷ |  | ＴＷ | |  | Ｗw | Ｗs |  | Ｗw |  | Ｗs | |  | ｗ＝　　　　　　　％ | | | | | ｗ＝　　　　　　　％ | | | | 平均含水比 ｗ＝ ％ | | | | | | | | | | | | | | | |
| (湿土＋バケツ)の重量 ｇ |  |
| 容器(バケツ)の重量 ｇ |  |
| 湿潤土の重量ＷwA ｇ |  |
| 乾燥土の重量Ｗv ｇ |  |
|  | | | | | | | | | |
| 試 験 孔 番 号 | | ～１ | | ～２ | | ～３ | | (予備欄) | |
| ジャーとピクノメータートップに砂を満たした重量Ｗj３ ｇ | |  | |  | |  | |
| ジャーに残った砂の重量Ｗj３ ｇ | |  | |  | |  | |
| 試験孔およびロトに入った砂の重量 (Ｗj２－Ｗj３) ｇ | |  | |  | |  | |
| 試験孔に入った砂の重量 (Ｗj２－Ｗj３) －Ｗjf | |  | |  | |  | |
| 試験孔の体積 Ｖ㎤ | |  | |  | |  | |
|  | | | | | | | | | |
| 試 験 孔 番 号 | | ～１ | | ～２ | | ～３ | | 平均した砂の単位体積重量  ｒt＝ ｇ／㎤  ｒd＝ ｇ／㎤ | |
| 土の湿潤単位体積重量 ｒt ｇ／㎤ | |  | |  | |  | |
| 土の乾燥単位体積重量 ｒd ｇ／㎤ | |  | |  | |  | |
| (備考) | | | | | | | | | |

様式　7-2

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | | 現場密度測定試験 (突砂法) | | | 報告用紙 | |
| 工　　事　　名 　　試 験 日　　　　令和　　　　年　　　　　月　　　　　日  工事場所 　　天 候  工 種 　　試　　験　　者  使用材料名 | | | | | | |
| ①　砂の単位体積重量 ｇ／㎤ | | | 測 定 番 号 | | | |
|  |  | |  |
| 掘り取った穴の容積 | ② 試験前の砂の重量 (ｇ) | |  |  | |  |
| ③ 試験後の砂の重量 (ｇ) | |  |  | |  |
| ④ ベースプレスト中の砂の重量 (ｇ) | |  |  | |  |
| ⑤ 穴につめた砂の重量 (②－③－④) (ｇ) | |  |  | |  |
| ⑥ 掘り取った穴の容積 (⑤／①) (㎤) | |  |  | |  |
| 湿潤密度 | ⑦ (湿潤試料＋容器) 重量 (ｇ) | |  |  | |  |
| ⑧ 容 器 の 重 量 (ｇ) | |  |  | |  |
| ⑨ 湿潤試料重量 (⑦－⑧) (ｇ) | |  |  | |  |
| ⑩ 湿潤密度 (⑨／⑥) (ｇ／㎤) | |  |  | |  |
| 含水比及び乾燥密度 | ⑪ (乾燥試料＋容器) 重量 (ｇ) | |  |  | |  |
| ⑫ 容器の重量 (ｇ) | |  |  | |  |
| ⑬ 乾燥試料重量 (⑪－⑫) (ｇ) | |  |  | |  |
| ⑭ 全体含水量 (⑨－⑬) (ｇ) | |  |  | |  |
| ⑮ 全体含水比 (⑭／⑬×100) (％) | |  |  | |  |
| ⑯ 乾 燥 密 度 ｒd (ｇ／㎤) | |  |  | |  |
| ⑰ 最 大 乾 燥 密 度 ｒd (ｇ／㎤) | | |  |  | |  |
| ⑱ 締 固 め 度 (⑯／⑰×100) (％) | | |  |  | |  |
| ⑲ 締 固 め 度 平 均 (％) | | |  |  | |  |
| 備 考 | | | | | | |

様式　8

道路の平板載荷試験 (JIS Ａ 1215)

工 事 名

工 種 名

測定番号 受注者名

試験期日　　　　　　令和 年 月 日 天候 測 定 者

5.662

5.308

4.954

4.600

4.246

3.892

3.539

3.185

2.831

2.477

2.123

1.769

1.415

1.062

0.708

0.354

0

荷重強さ（㎏／㎠）

44

42

40

38

36

34

32

30

28

26

24

22

20

18

16

14

12

10

8

6

4

2

22

20

18

16

14

12

10

8

6

4

2

0 0.05 0.10 0.15 0.20 0.25 0.30

沈 下 量 (cm)

路面の状態

載荷盤直径 載荷盤面積

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 荷 重 | | 沈下量ダイヤルゲージの読み １／100㎜ | | | |
| 全荷重 (ｔ) | ㎏／㎠ | 左 | 中 | 右 | 平均値 |
| 0.250 | 0.354 |  |  |  |  |
| 0.500 | 0.708 |  |  |  |  |
| 0.750 | 1.062 |  |  |  |  |
| 1.000 | 1.415 |  |  |  |  |
| 1.250 | 1.769 |  |  |  |  |
| 1.500 | 2.123 |  |  |  |  |
| 1.750 | 2.477 |  |  |  |  |
| 2.000 | 2.831 |  |  |  |  |
| 2.250 | 3.185 |  |  |  |  |
| 2.500 | 3.539 |  |  |  |  |
| 2.750 | 3.892 |  |  |  |  |
| 3.000 | 4.246 |  |  |  |  |



様式　9

プルーフローリング試験

工　事　名 受注者名

工 種 名 測 定 者

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 項目 | 事項 | | | | | 備考 |
| 試験条件 | 天候 |  | 測定面の含水状況 | |  |  |
| 試験区間 | No. ～No. | | | | |  |
| 載荷車 | 型式 |  | | 接地圧 |  |  |
| 載荷状況 | 予備載荷回数 | 回 | | 本載荷速度 | km／ｈ |  |

|  |  |
| --- | --- |
| 試 験 結 果 | |
| 視察展開図 | № № № № № № №  № № № № № № № |
| 視察記事 |  |
| 異状箇所の処置 |  |

様式　10-1

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | | 現場における土の乾燥単位体積重量測定用紙 | | | | | | 記録用紙 | |
| 測 定 者 測 定 日　令和　　　年 月 日  調査名・目的 使 用 材 料 名 産  施 工 場 所 | | | | | | | | | | |
| 測定場所 | 工 種 区 分 | | | |  |  |  |  | |  |
| 測 定 番 号 | | | |  |  |  |  | |  |
| 転 圧 作 業 日 | | | |  |  |  |  | |  |
| 砂の単位体積重量 | ① | キャリブレーション容器の重量 | | | (ｇ) |  |  |  | |  |
| ② | キャリブレーション容器に砂を満たしたときの重量 | | | (ｇ) |  |  |  | |  |
| ③ | 砂の単位体積重量 | | ②－①／キャリブ  レーション容器 | (g/㎤) |  |  |  | |  |
| 掘り取った穴の容積 | ④ | 試験前(砂＋キャリブレーション容器)重量 | | | (ｇ) |  |  |  | |  |
| ⑤ | 試験後(〃＋　　〃　　)　〃 | | | (ｇ) |  |  |  | |  |
| ⑥ | ベースプレート中の砂の重量 | | | (ｇ) |  |  |  | |  |
| ⑦ | 穴につめた砂の重量 (④－⑤－⑥) | | | (ｇ) |  |  |  | |  |
| ⑧ | 掘り取った穴の容積 ⑦／③ | | | (㎤) |  |  |  | |  |
| 湿潤密度 | ⑨ | (湿潤試料＋容器) 重量 | | | (ｇ) |  |  |  | |  |
| ⑩ | 容器の重量 | | | (ｇ) |  |  |  | |  |
| ⑪ | 湿潤試料の重量 ⑨－⑩ | | | (ｇ) |  |  |  | |  |
| ⑫ | 湿潤密度 ⑪／⑧ | | | γt(g/㎤) |  |  |  | |  |
| 含水比及乾燥密度 | ⑬ | (乾燥試料＋容器) 重量 | | | (ｇ) |  |  |  | |  |
| ⑭ | 容器の重量 | | | (ｇ) |  |  |  | |  |
| ⑮ | 乾燥試料重量 ⑬－⑭ | | | (ｇ) |  |  |  | |  |
| ⑯ | 全体含水量 ⑪－⑮ | | | (ｇ) |  |  |  | |  |
| ⑰ | 全体含水比 (⑯／⑮) ×100 | | | (％) |  |  |  | |  |
| ⑱ | 乾燥密度 ⑮／⑧ | | | (g／㎤) |  |  |  | |  |
|  | ⑲ | 最大乾燥密度 | | | γd(g/㎤) |  |  |  | |  |
|  | ⑳ | 締固め度 ⑱／⑲ | | | (％) |  |  |  | |  |
|  | 平 均 値 | | | |  |  |  |  | |  |

様式　10-2

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | 下層路盤用クラッシャーランの粒径加積曲線図 | | | 試験  報告 | | 用紙 | |
| 試 料 番 号 クラッシャーランの産地 産 試験年月日　令和 年 月 日 調査名・目的 クラッシャーランの規格 Ｃ－30 作 成 者  試料採取場所 ふるい分け試験番号データーシート № ※印の粒径について､ふるい分け試験を行なう｡ | | | | | | | |
| 9.5 13.2 19 26.5   |  |  | | --- | --- | | JIS A 1203 | 土の含水量試験　　　　　報告用紙 | | 試料は1.5kgとする   |  |  |  | | --- | --- | --- | | WW測定日時  試料番号 | 含水比の測定 | 含水比 | | 月　日　時  試料番号 | No.  WW　　　　　DW  DW　　　　　TW  Ww　　　　　Ws | ％ | | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   100  90  80  70  60  50  40  30  20  10  0  (㎜)  フ ル イ 目 の 開 き  1.18  4.75  37.5あ(MM)  31.5  2.36  0.425  0.075  通過重量百分率（％） | | フルイ目の 呼び寸法  ㎜ | 通過重量百分率(％) | | | | |
|  | |  | | 粒度範囲 |
| 37.5 |  | |  | | 100 |
| 31.5 |  | |  | | ※  95～100 |
| 26.5 |  | |  | |  |
| 19.0 |  | |  | | ※  55～85 |
| 13.2 |  | |  | |  |
| 9.5 |  | |  | |  |
| 4.75 |  | |  | | 15～45 |
| 2.36 |  | |  | | ※  5～30 |
| 1.18 |  | |  | |  |
| 0.425 |  | |  | | 0～18 |
|  |  | |  | |  |
|  |  | |  | |  |
| 0.075 |  | |  | | ※  0～10 |

様式　10-3

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | 上層路盤用粒度調整砕石の粒径加積曲線図 | | | 試験  報告 | | 用紙 | |
| 試 料 番 号 粒度調整砕石の産地 産 試験年月日　令和 年 月 日 調査名・目的 粒度調整砕石の規格　 M－30 作 成 者  試料採取場所 ふるい分け試験番号データーシート № ※印の粒径について､ふるい分け試験を行なう｡ | | | | | | | |
| |  |  | | --- | --- | | JIS A 1203 | 土の含水量試験　　　　　報告用紙 | | 試料は1.5kgとする   |  |  |  | | --- | --- | --- | | WW測定日時  試料番号 | 含水比の測定 | 含水比 | | 月　日　時  試料番号 | No.  WW　　　　　DW  DW　　　　　TW  Ww　　　　　Ws | ％ | | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   100  90  80  70  60  50  40  30  20  10  0  9.5 13.2 19 26.5  (㎜)  フ ル イ 目 の 開 き  1.18  4.75  37.5あ(MM)  31.5  2.36  0.425  0.075  通過重量百分率（％） | | フルイ目の 呼び寸法  ㎜ | 通過重量百分率(％) | | | | |
|  | |  | | 粒度範囲 |
| 37.5 |  | |  | | 100 |
| 31.5 |  | |  | | ※  95～100 |
| 26.5 |  | |  | |  |
| 19.0 |  | |  | | ※  60～90 |
| 13.2 |  | |  | |  |
| 9.5 |  | |  | |  |
| 4.75 |  | |  | | 30～65 |
| 2.36 |  | |  | | ※  20～50 |
| 1.18 |  | |  | |  |
| 0.425 |  | |  | | 10～30 |
|  |  | |  | |  |
|  |  | |  | |  |
| 0.075 |  | |  | | ※  2～10 |

様式　11-1

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| アスファルト合材の管理試験 | | | | | | | | | | |
| 路線名 |  | | 工事施工個所 | |  | | | 試験者 |  | |
| 年 月 日 | | アスファルトケットル中の温度℃ | | 骨材温度 | | 出荷時温度 | 転圧前合材温度℃ | | | 備考 |
|  | |  | |  | |  |  | | |  |
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様式　11-2

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 基 準 密 度 測 定 表 | | | | | | | | | | | | | | |
| 路線名 | |  | | | | 工事施工個所 | |  | | | | 試験者 | |  |
| 供試体番号 | 混合率％ | | 成型月日 | 試験月日 | 厚さの測定 | | 基準密度の測定 | | | | | | 備考 | |
| 厚さ  ㎝ | 平均  ㎝ | Ａ  ｇｒ | | Ｂ  ｇｒ | Ｃ  ｇｒ | A  B-C | |
|  |  | |  |  |  |  |  | |  |  |  | |  | |
|  |  | |  |  |  |  |  | |  |  |  | |  | |
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|  |  | |  |  |  |  |  | |  |  |  | | ６個の平均値 | |

Ａ：供試体の乾燥重量(gr)

Ｂ：水中測定後供試体表面の水分をぬぐいとったときの空中重量(gr)

Ｃ：供試体の水中重量(gr)

様式　11-3

配 合 設 計 決 定 表

工　事　名：

工事場所：

合材種 別：

|  |  |  |  |
| --- | --- | --- | --- |
| 安定度 | | | ㎏ |
| フロー値 | | | 1／100㎝ |
| 空隙率 | | | ％ |
| 飽和度 | | | ％ |
| 基準アスファルト量 | | | ％ |
| 基準密度 | | | ｇ／㎤ |
| 粒度 | 26.5 | m/m | ％ |
| 19.0 | 〃 | ％ |
| 13.2 | 〃 | ％ |
| 4.75 | 〃 | ％ |
| 2.36 | 〃 | ％ |
| 0.6 | 〃 | ％ |
| 0.3 | 〃 | ％ |
| 0.15 | 〃 | ％ |
| 0.075 | 〃 | ％ |

様式　12

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | アスファルトの抽出試験 (ソックスレー法) | | | | | | 試 験  報 告 | | 用 紙 |
| 工事名 　試験年月日　令和　　年 　　月　　　　日  工事施工箇所 　測定者  混合物の種類 　ろ過装置の種類  受注者名 　溶剤の種類 | | | | | | | | | | |
| 試験測定番号 | | | | | | １ | ２ | | ３ | |
| ① | 容器の重量 | | (ｇ) | |  |  |  | |  | |
| ② | (容器＋試料)重量 | | (ｇ) | |  |  |  | |  | |
| ③ | 試料重量 | | (ｇ) | | ②－① |  |  | |  | |
| ④ | 円筒ろ紙の乾燥重量 | | (ｇ) | |  |  |  | |  | |
| ⑤ | (抽出後の乾燥骨材＋容器)重量 | | (ｇ) | |  |  |  | |  | |
| ⑥ | 容器重量 | | (ｇ) | |  |  |  | |  | |
| ⑦ | 抽出後の骨材重量 | | (ｇ) | | ⑤－⑥ |  |  | |  | |
| ⑧ | 抽出後円筒ろ紙の乾燥重量 | | (ｇ) | |  |  |  | |  | |
| ⑨ | 円筒ろ紙に付着したフィラーの重量 | | (ｇ) | | ⑧－④ |  |  | |  | |
| ⑩ | 全抽出骨材重量 | | (ｇ) | | ⑦＋⑨ |  |  | |  | |
| ⑪ | アスファルト重量 | | (ｇ) | | ③－⑩ |  |  | |  | |
| ⑫ | アスファルト含有率 | | (%) | | ⑪／③×100 |  |  | |  | |
| ⑬ | 平均値 | |  | | 基準値 |  |  | |  | |
| 抽出骨材のフルイ分け試験(2.36㎜及び0.075㎜フルイ通過骨材重量百分率) | | | | | | | | | | |
| ⑭ | 容器または0.075㎜フルイの重量 | | | (ｇ) |  |  |  | |  | |
| ⑮ | 水洗い前(骨材＋容器または0.075㎜フルイ)重量 | | | (ｇ) | ⑦＋⑭ |  |  | |  | |
| ⑯ | 水洗い後(　　　　　　　〃　　　　　　　)乾燥重量 | | | (ｇ) |  |  |  | |  | |
| ⑰ | 0.075㎜フルイ通過骨材重量 | | | (ｇ) | ⑮－⑯＋⑨ |  |  | |  | |
| ⑱ | 0.075㎜フルイ通過重量百分率 | | | (%) | ⑰／⑩×100 |  |  | |  | |
| ⑲ | 平均値 | | |  | 基準値 |  |  | |  | |
| ⑳ | 2.36㎜フルイ残留骨材重量 | | | (ｇ) |  |  |  | |  | |
| ㊦ | 2.36㎜フルイ通過骨材重量 | | | (ｇ) | ⑩－⑳ |  |  | |  | |
| ㊧ | 2.36㎜フルイ通過骨材重量百分率 | | | (%) | ⑳／⑩×100 |  |  | |  | |
| ㊨ | 平均値 | | |  | 基準値 |  |  | |  | |

様式　13

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 密度及び厚さの測定表 | | | | | | | | | | | | | | | | |
| 工事名 | |  | | 工事施工個所 | | |  | | | | 測定者 | |  | | | |
| 受注者名 | |  | | 混合物種類 | | |  | | | | 標準締固め密度 | | | |  | |
| 測点  供試体 | 混合率％ | 舗設  月日時 | 試験  月日時 | | 厚さ,密度の測定 | | | | | | | | | 締固め度 | | 備考 |
| 厚さ  ㎝ | 平均  ㎝ | | Ａ | Ｂ | Ｃ | | A  B-C | |
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Ａ：供試体の乾燥空中重量(gr)

Ｂ：水中測定後供試体表面の水分ぬぐい取ったときの空中重量(gr)

Ｃ：供試体を常温の水中に約１分間浸した後の水中重量(gr)

注 標準締固め密度欄内の( )書は､標準密度の94％密度

様式　14

JIS A 1112

まだ固まらないコンクリートの洗い分析試験

工　事　名 受注者名

工 種 名 測 定 者

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 測定番号 項 目 | | |  |  |  |
| 試料の空中重量 | | (ｇ) |  |  |  |
| 試料の水中重量 | | (ｇ) |  |  |  |
| 試料の総体積 | | (ｇ) |  |  |  |
| 砂の水中重量 | | (ｇ) |  |  |  |
| 砂利の水中重量 | | (ｇ) |  |  |  |
| 砂の比重 | | (ｇ) |  |  |  |
| 砂利の比重 | | (ｇ) |  |  |  |
| 試料含有量 | セメント | (ｇ) |  |  |  |
| 砂 | (ｇ) |  |  |  |
| 砂利 | (ｇ) |  |  |  |
| 水 | (ｇ) |  |  |  |
| 単  位  量  換  算  (㎏／㎥) | セメント量 | |  |  |  |
| 細骨材量 | |  |  |  |
| 粗骨材量 | |  |  |  |
| 単位水量 | |  |  |  |
| 水セメント比 | (%) |  |  |  |

〔注〕 砂：4.75㎜フルイを通過し､0.15㎜フルイに止まるもの

　　　砂利：4.75㎜フルイに止まるもの

様式　15-1

－Ｒ管理データーシート(1)

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 名称 | |  | 工事名 | |  | 期間 | 自 |  |
| 品質･特性 | |  | 至 |  |
| 測定単位 | |  | 日標準量 | |  | 受注者 | |  |
| 規格  限界 | 上限値 |  | 試料 | 大きさ |  | 現場代理人 | |  |
| 下限値 |  | 間隔 |  | 測定者 | |  |
| 設計基準値 | |  | 作業機械名 | |  | 測定者 | |  |

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| 月日 | 組の番号 | 測定値 | | | | | 計  Σχ | 平均値 | 範囲  Ｒ | ±A２・＝    Ｄ４・＝ | | | | |
| χ１ | χ２ | χ３ | χ４ | χ５ |
|  | １ |  |  |  |  |  |  |  |  |
| ２ |  |  |  |  |  |  |  |  |
| ３ |  |  |  |  |  |  |  |  |
| ４ |  |  |  |  |  |  |  |  | 平均 | = | | = | |
| ５ |  |  |  |  |  |  |  |  | 累計 |  | |  | |
| 小計 |  |  |  |  |  |  |  |  | 小計 |  | |  | |
|  | ６ |  |  |  |  |  |  |  |  | ±A２・＝    Ｄ４・＝ | | | | |
| ７ |  |  |  |  |  |  |  |  |
| ８ |  |  |  |  |  |  |  |  |
| ９ |  |  |  |  |  |  |  |  | 平均 | = | | = | |
| 10 |  |  |  |  |  |  |  |  | 累計 |  | |  | |
| 小計 |  |  |  |  |  |  |  |  | 小計 |  | |  | |
|  | 11 |  |  |  |  |  |  |  |  | ±A２・＝    Ｄ４・＝ | | | | |
| 12 |  |  |  |  |  |  |  |  |
| 13 |  |  |  |  |  |  |  |  |
| 14 |  |  |  |  |  |  |  |  |
| 15 |  |  |  |  |  |  |  |  |
| 16 |  |  |  |  |  |  |  |  |
| 17 |  |  |  |  |  |  |  |  |
| 18 |  |  |  |  |  |  |  |  |
| 19 |  |  |  |  |  |  |  |  | 平均 | = | | = | |
| 20 |  |  |  |  |  |  |  |  | 累計 |  | |  | |
| 小計 |  |  |  |  |  |  |  |  | 小計 |  | |  | |
|  | | | | | | | | | | | | | | |
| 記事 | | | | | | | | | | ｎ | ｄ２ | Ａ２ | | Ｄ４ |
| ２ | 1.13 | 1.88 | | 3.27 |
| ３ | 1.69 | 1.02 | | 2.57 |
| ４ | 2.06 | 0.73 | | 2.28 |
| ５ | 2.33 | 0.58 | | 2.11 |

(注)１.規格限界､設計基準値は設計図書に定められた値を記入する｡

２.管理限界線の引き直しは５－５－10－20－20方式による｡

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(備考)■ 管理限界の計算のための予備データーの区間

　　　　○ 上記の管理限界を適用する区間

３. 21組～40組までは､別に新しいデータシートに記入する｡以下20組ごとに同様とする｡

様式　15-2

－Ｒ管理データーシート(1)の2

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 月日 | 組の番号 | 測定値 | | | | | 計  Σχ | 平均値 | 範囲  Ｒ | ±A２・＝    Ｄ４・＝ | | | | |
| χ１ | χ２ | χ３ | χ４ | χ５ |
|  |  |  |  |  |  |  |  |  |  |
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|  |  |  |  |  |  |  |  |  | 平均 |  | |  | |
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|  |  |  |  |  |  |  |  |  | 累計 |  | |  | |
|  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  | 小計 |  | |  | |
| 小計 |  | | | | |  |  |  |
|  |  |  |  |  |  |  |  |  |  | ±A２・＝    Ｄ４・＝ | | | | |
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|  |  |  |  |  |  |  |  |  | 平均 |  | |  | |
|  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  | 累計 |  | |  | |
|  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  | 小計 |  | |  | |
| 小計 |  | | | | |  |  |  |
| 記事 |  | | | | | | | | | ｎ | ｄ２ | Ａ２ | | Ｄ４ |
| ２ | 1.13 | 1.88 | | 3.27 |
| ３ | 1.69 | 1.02 | | 2.57 |
| ４ | 2.06 | 0.73 | | 2.28 |
| ５ | 2.33 | 0.58 | | 2.11 |

(注)１．管理限界線の引き直しは５－５－10－20－20方式による｡

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(備考)■ 管理限界の計算のための予備データーの区間

　　　　　○ 上記の管理限界を適用する区間

２．以下､最近の20組(平均値χを１箇とする)のデーターを用い､次の20箇に対する管理限界とする。

様式　15-3

－Ｒ管理図(1)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 設計基準値 |  | 工事名 | | 工事 |
| 名称 |  | 日標準量 | |  |
| 品質特性 |  | 規格限界 | 上限値 |  |
| 測定単位 |  | 下限値 |  |
| 測定方法 |  | 試料 | 大きさ |  |
| 作業機械名 |  | 間隔 |  |

測 定 者

|  |  |  |
| --- | --- | --- |
|  |  | |
| Ｒ |  | |
| 組の番号 |  |
| 記事 |  |

(注) １. 管理図は､別紙－Ｒ管理データシート(1)から記入する。

　　　 ２. 記事欄には､異常原因､その他必要事項を記入する｡

様式　15-4

x－Rs－Rm管理データーシート（1）

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 名称 | | | |  | | | 工事名 | | | |  | | | | 期間 | | 自 | |  | | | |
| 品質･特性 | | | |  | | | 至 | |  | | | |
| 測定単 位 | | | |  | | | 日標準量 | | | |  | | | | 受注者 | | | |  | | | |
| 規格  限界 | | 上限値 | |  | | | 試料 | 大きさ | | |  | | | | 現場代理人 | | | |  | | | |
| 下限値 | |  | | | 間隔 | | |  | | | | 測定者 | | | |  | | | |
| 設計基準値 | | | |  | | | 作業機械名 | | | |  | | | | 測定者 | | | |  | | | |
| 月日 | | 試験  番号 | | 測定値 | | | | | | | 計  Σ | | 平均値 | 移動範囲  Rs | 測定値内の範囲  Rm | | ±E2・s＝  D4・Rs＝  D4・m＝ | | | | | |
| ａ | | ｂ | ｃ | | | ｄ |
|  | | １ | |  | |  |  | | |  |  | |  |  |  | |
| ２ | |  | |  |  | | |  |  | |  |  |  | |
| ３ | |  | |  |  | | |  |  | |  |  |  | |  | | ｘ | | Ｒｓ | Ｒｍ |
| ４ | |  | |  |  | | |  |  | |  |  |  | | 平均 | | ＝ | | ｓ＝ | ｍ＝ |
| ５ | |  | |  |  | | |  |  | |  |  |  | | 累計 | |  | |  |  |
| 小計 | |  | | | | | | | | |  |  |  | | 小計 | |  | |  |  |
|  | | ６ | |  | |  |  | | |  |  | |  |  |  | | ±E2・s＝  D4・Rs＝　　　　　　　D4・m＝ | | | | | |
| ７ | |  | |  |  | | |  |  | |  |  |  | |
| ８ | |  | |  |  | | |  |  | |  |  |  | | 平均 | | ＝ | | ｓ＝ | ｍ＝ |
| 小計 | |  | | | | | | | | |  |  |  | | 累計 | |  | |  |  |
|  | | | | | | | | | | | | | | | 小計 | |  | |  |  |
|  | | ９ | |  | |  |  | | |  |  | |  |  |  | | ±E2・s＝  D4・Rs＝  D4・m＝ | | | | | |
| 10 | |  | |  |  | | |  |  | |  |  |  | |
| 11 | |  | |  |  | | |  |  | |  |  |  | |
| 12 | |  | |  |  | | |  |  | |  |  |  | | 平均 | | ＝ | | ｓ＝ | ｍ＝ |
| 13 | |  | |  |  | | |  |  | |  |  |  | | 累計 | |  | |  |  |
| 小計 | |  | | | | | | | | |  |  |  | | 小計 | |  | |  |  |
|  | | 14 | |  | |  |  | | |  |  | |  |  |  | | ±E2・s＝  D4・Rs＝  D4・m＝ | | | | | |
| 15 | |  | |  |  | | |  |  | |  |  |  | |
| 16 | |  | |  |  | | |  |  | |  |  |  | |
| 17 | |  | |  |  | | |  |  | |  |  |  | |
| 18 | |  | |  |  | | |  |  | |  |  |  | |
| 19 | |  | |  |  | | |  |  | |  |  |  | | 平均 | | ＝ | | ｓ＝ | ｍ＝ |
| 20 | |  | |  |  | | |  |  | |  |  |  | | 累計 | |  | |  |  |
| 小計 | |  | | | | | | | | |  |  |  | | 小計 | |  | |  |  |
| 記事 | | | | | | | | | | | | | | | | | ｎ | | ｄ２ | | Ｄ４ | Ｅ２ |
| ２ | | 1.13 | | 3.27 | 2.66 |
| ３ | | 1.69 | | 2.57 | 1.77 |
| ４ | | 2.06 | | 2.28 | 1.46 |
| ５ | | 2.33 | | 2.11 | 1.29 |

(注) １. 規格限界､設計基準値は設計図書に定められた値を記入する｡

２. 管理限界線の引き直しは５－３－５－７－10－10－10方式による｡

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(備考)　■ 管理限界の計算のための予備データーの区間

○ 上記の管理限界を適用する区間を示す｡

３. 以下､最近の20組(平均値χを１箇とする)のデーターを用い､次の10箇に対する管理限界とする｡

様式　15-5

x－Rs－Rm管理データーシート(1)の2

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 月日 | 試験  番号 | 測定値 | | | | 計  Σ | 平均値 | 移動範囲  Rs | 測定値内の範囲  Rm | ±E2・s＝  D4・Rs＝  D4・m＝ | | | |
| ａ | ｂ | ｃ | ｄ |
|  |  |  |  |  |  |  |  |  |  |
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|  |  |  |  |  |  |  |  |  |  | ｘ | Ｒｓ | Ｒｍ |
|  |  |  |  |  |  |  |  |  | 平均 | ＝ | ｓ＝ | ｍ＝ |
|  |  |  |  |  |  |  |  |  | 累計 |  |  |  |
| 小計 |  | | | | |  |  |  | 小計 |  |  |  |
|  |  |  |  |  |  |  |  |  |  | ±E2・s＝  D4・Rs＝  D4・m＝ | | | |
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|  |  |  |  |  |  |  |  |  | 平均 | ＝ | ｓ＝ | ｍ＝ |
|  |  |  |  |  |  |  |  |  | 累計 |  |  |  |
| 小計 |  | | | | |  |  |  | 小計 |  |  |  |
|  |  |  |  |  |  |  |  |  |  | ±E2・s＝  D4・Rs＝  D4・m＝ | | | |
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|  |  |  |  |  |  |  |  |  | 平均 | ＝ | ｓ＝ | ｍ＝ |
|  |  |  |  |  |  |  |  |  | 累計 |  |  |  |
| 小計 |  | | | | |  |  |  | 小計 |  |  |  |
|  |  |  |  |  |  |  |  |  |  | ±E2・s＝  D4・Rs＝  D4・m＝ | | | |
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|  |  |  |  |  |  |  |  |  | 平均 | ＝ | ｓ＝ | ｍ＝ |
|  |  |  |  |  |  |  |  |  | 累計 |  |  |  |
| 小計 |  | | | | |  |  |  | 小計 |  |  |  |
| 記事 | | | | | | | | | | ｎ | ｄ２ | Ｄ４ | Ｅ２ |
| ２ | 1.13 | 3.27 | 2.66 |
| ３ | 1.69 | 2.57 | 1.77 |
| ４ | 2.06 | 2.28 | 1.46 |
| ５ | 2.33 | 2.11 | 1.29 |

(注) １. 管理限界線の引き直しは５－３－５－７－10－10－10方式による｡

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(備考)　■ 管理限界の計算のための予備データーの区間

○ 上記の管理限界を適用する区間を示す｡

２. 以下､最近の20組(平均値χを１箇とする)のデーターを用い､次の10箇に対する管理限界とする｡

様式　15-６

χ－Ｒｓ－Rｍ管理図

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 設計基準値 |  | 工事名 | | 工事 |
| 名称 |  | 日標準量 | |  |
| 品質特性 |  | 規格限界 | 上限値 |  |
| 測定単位 |  | 下限値 |  |
| 測定方法 |  | 試料 | 大きさ |  |
| 作業機械名 |  | 間隔 |  |

測 定 者

|  |  |  |
| --- | --- | --- |
| χ |  | |
| Ｒs |  | |
| Ｒm |  | |
| 組の番号 |  |
| 記事 |  |

(注) １. 管理図は､別紙ｘ－Ｒs－Rｍ管理データシートから記入する。

　　　 ２. 記事欄には､異常原因､その他必要事項を記入する