

## LABORATORIO DE CONTROL DE CALIDAD Y SUPERVISIÓN S.A. DE C.V.

35 NORTE No.3023, UNIDAD HABITACIONAL AQUILES SERDAN. TEL:. 01 222 2315836,8686973,8686974

## "REGISTRO DEL ENSAYO A FLEXIÓN DE VIGAS DE CONCRETO CON CARGA A LOS TERCIOS DEL CLARO" METODOS EMPLEADOS: NMX-C-161-ONNCCE-2013,NMX-C-191-ONNCCE-2015

| CLIENTE:              | INDHR   | Registro N°: PVF/339/18/35 |
|-----------------------|---|----------------------------|
| OBRA:                 | RECONSTRUCCION CON CONCRETO HIDRALICO DE LA TRONCAL DEL PERIFERICO ECOLOGICO DE LOS MUNICIPIOS DE SAN PEDRO | Tipo de Concreto: N        |
|                       | CHOLULA Y SAN ANDRES CHOLULA, DEL DISTRIBUIDOR VIAL BOULEVARD FORJADORES AL DISTRIBUIDOR VIAL BOULEVARD     |                            |
|                       | ATLIXCAYOTL, EN EL ESTADO DE PUEBLA   |                            |
| DIRECCIÓN DE LA OBRA: | Periferico Ecologico de la ciudad de Puebla   | MR de proyecto: 48         |
| ELEMENTO COL ADO:     | LOSA MR CPO IZO LADO IZO KM 15+258 AL KM 14+892   |                            |

| Identificacion de la  | Fecha de   | Fecha de   | Edad | Condiciones<br>de curado y<br>humedad |        | os de<br>s (si/no) |       | cho<br>m |       | ralte<br>:m | Loca | lizacion | de la fall | a en mm | Distancia<br>entre apoyos | Distancia<br>entre puntos | Carga<br>aplicada | Modulo de ruptura | Defectos   | Vel. Aplicación   | Realizó     |
|-----------------------|------------|------------|------|---------------------------------------|--------|--------------------|-------|----------|-------|-------------|------|----------|------------|---------|---------------------------|---------------------------|-------------------|-------------------|------------|-------------------|-------------|
| muestra               | Colado     | ensayo     | días | humedo/seco<br>(intemperie)           | Lijado | Cuero              | Lec 1 | Lec 2    | Lec 1 | Lec 2       | L1   | L2       | L3         | Prom    |                           | de carga(cm)              | (kgf)             | (kgf/cm²)         | escpecimen | kg/cm² por minuto | Realizu     |
| PVF-XII-4-GLCC-02-570 | 2018-12-04 | 2018-12-11 | 7    | Humedo                                | NO     | SI                 | 15,0  | 15,0     | 15,0  | 15,0        | 48,0 | 31,0     | 50,0       | 43      | 45,0                      | 15,0                      | 2 634             | 35,1              |            | 9,76              | Gabino Mena |
| PVF-XII-4-GLCC-10-573 | 2018-12-04 | 2018-12-11 | 7    | Humedo                                | NO     | SI                 | 15,0  | 15,0     | 15,0  | 15,0        | 21,0 | 36,0     | 32,0       | 30      | 45,0                      | 15,0                      | 2 572             | 34,3              |            | 9,75              | Gabino Mena |
| PVF-XII-4-GLCC-16-576 | 2018-12-04 | 2018-12-11 | 7    | Humedo                                | NO     | SI                 | 15,0  | 15,0     | 15,0  | 15,0        | 45,0 | 57,0     | 53,0       | 52      | 45,0                      | 15,0                      | 2 588             | 34,5              |            | 9,63              | Gabino Mena |
|                       |            |            |      |                                       |        |                    |       |          |       |             |      | 4        |            |         |                           |                           |                   |                   |            |                   |             |
|                       |            |            |      |                                       |        |                    |       |          |       |             |      |          |            |         |                           |                           |                   |                   |            |                   |             |
|                       |            |            |      |                                       |        |                    |       |          |       |             |      |          |            |         |                           |                           |                   |                   |            |                   |             |
|                       |            |            |      |                                       |        |                    |       |          |       |             |      |          |            |         |                           |                           |                   |                   |            |                   |             |
|                       |            |            |      |                                       |        |                    |       |          |       |             |      |          |            |         |                           |                           |                   |                   |            |                   |             |
|                       |            |            |      |                                       |        |                    |       |          |       |             |      |          |            |         |                           |                           |                   |                   |            |                   |             |
|                       |            |            |      |                                       |        |                    |       |          |       |             |      |          |            |         |                           |                           |                   |                   |            |                   |             |
|                       |            |            |      |                                       |        |                    |       |          |       |             |      |          |            |         |                           |                           |                   |                   |            |                   |             |
|                       |            |            |      |                                       |        |                    |       |          |       |             |      |          |            |         |                           |                           |                   |                   |            |                   |             |
|                       |            |            |      |                                       |        |                    | _     |          |       |             |      |          |            |         |                           |                           |                   |                   |            |                   |             |
|                       |            |            |      |                                       |        |                    |       |          |       |             |      |          |            |         |                           |                           |                   |                   |            |                   |             |
|                       |            |            |      |                                       |        |                    |       |          |       |             |      |          |            |         |                           |                           |                   |                   |            |                   |             |
|                       |            |            |      |                                       |        |                    |       |          |       |             |      |          |            |         |                           |                           |                   |                   |            |                   |             |
|                       |            |            |      |                                       |        |                    |       |          |       |             |      |          |            |         |                           |                           |                   |                   |            |                   |             |
|                       |            |            |      |                                       |        |                    |       |          |       |             |      |          |            |         |                           |                           |                   |                   |            |                   |             |
|                       |            |            |      |                                       |        |                    |       |          |       |             |      |          |            |         |                           |                           |                   |                   |            |                   |             |
|                       |            |            |      |                                       |        |                    |       |          |       |             |      |          |            |         |                           |                           |                   |                   |            |                   |             |
|                       |            |            |      |                                       |        |                    |       |          |       |             |      |          |            |         |                           |                           |                   |                   |            |                   |             |
|                       |            |            |      |                                       |        |                    |       |          |       |             |      |          |            |         |                           |                           |                   |                   |            |                   |             |
|                       |            |            |      |                                       |        |                    |       |          |       |             |      |          |            |         |                           |                           |                   |                   |            |                   |             |
|                       |            |            |      |                                       |        |                    |       |          |       |             |      |          |            |         |                           |                           |                   |                   |            |                   |             |
|                       |            |            |      |                                       |        |                    |       |          |       |             |      |          |            |         |                           |                           |                   |                   |            |                   |             |
|                       |            |            |      |                                       |        |                    |       |          |       |             |      |          |            |         |                           |                           |                   |                   |            |                   |             |
|                       |            |            |      |                                       |        |                    |       |          |       |             |      |          |            |         |                           |                           |                   |                   |            |                   |             |

| Notas: | Inventario de | PRENSA  | FLEXO   |
|--------|---------------|---------|---------|
|        |               |         |         |
|        | instrumento   | PLCC-11 | FLCC-02 |
|        |               |         |         |

ESTE DOCUMENTO SE REFIERE EXCLUSIVAMENTE AL CONCRETO ENSAYADO Y NO DEBE SER REPRODUCIDO EN FORMA PARCIAL SIN LA AUTORIZACIÓN POR ESCRITO DEL LABORATORIO LACOCS

Supervisó: Laura Castillo NO HAY FIRMA

Nombre,firma y puesto

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