The group $G$ is isomorphic to the group labelled by [ 120, 5 ] in the Small Groups library.
Ordinary character table of $G \cong$ SL(2,5):

| | $1a$ | $2a$ | $4a$ | $3a$ | $6a$ | $5a$ | $10a$ | $5b$ | $10b$ |
|---|---|---|---|---|---|---|---|---|---|
| $\chi_1$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| $\chi_2$ | 3 | 3 | $-1$ | 0 | 0 | $-E(5)-E(5)^4$ | $-E(5)-E(5)^4$ | $-E(5)^2-E(5)^3$ | $-E(5)^2-E(5)^3$ |
| $\chi_3$ | 3 | 3 | $-1$ | 0 | 0 | $-E(5)^2-E(5)^3$ | $-E(5)^2-E(5)^3$ | $-E(5)-E(5)^4$ | $-E(5)-E(5)^4$ |
| $\chi_4$ | 4 | 4 | 0 | 1 | 1 | $-1$ | $-1$ | $-1$ | $-1$ |
| $\chi_5$ | 5 | 5 | 1 | $-1$ | $-1$ | 0 | 0 | 0 | 0 |
| $\chi_6$ | 2 | $-2$ | 0 | $-1$ | 1 | $E(5)+E(5)^4$ | $-E(5)-E(5)^4$ | $E(5)^2+E(5)^3$ | $-E(5)^2-E(5)^3$ |
| $\chi_7$ | 2 | $-2$ | 0 | $-1$ | 1 | $E(5)^2+E(5)^3$ | $-E(5)^2-E(5)^3$ | $E(5)+E(5)^4$ | $-E(5)-E(5)^4$ |
| $\chi_8$ | 4 | $-4$ | 0 | 1 | $-1$ | $-1$ | 1 | $-1$ | 1 |
| $\chi_9$ | 6 | $-6$ | 0 | 0 | 0 | 1 | $-1$ | 1 | $-1$ |

Trivial source character table of $G \cong$ SL(2,5) at $p = 5$:

| Normalisers $N_i$ | $N_1$ | | | | | $N_2$ | | | |
|---|---|---|---|---|---|---|---|---|---|
| $p$-subgroups of $G$ up to conjugacy in $G$ | $P_1$ | | | | | $P_2$ | | | |
| Representatives $n_j \in N_i$ | $1a$ | $3a$ | $4a$ | $6a$ | $2a$ | $1a$ | $4a$ | $2a$ | $4b$ |
| $1\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+1\cdot\chi_4+0\cdot\chi_5+0\cdot\chi_6+0\cdot\chi_7+0\cdot\chi_8+0\cdot\chi_9$ | 5 | 2 | 1 | 2 | 5 | 0 | 0 | 0 | 0 |
| $0\cdot\chi_1+1\cdot\chi_2+1\cdot\chi_3+1\cdot\chi_4+0\cdot\chi_5+0\cdot\chi_6+0\cdot\chi_7+0\cdot\chi_8+0\cdot\chi_9$ | 10 | 1 | $-2$ | 1 | 10 | 0 | 0 | 0 | 0 |
| $0\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+1\cdot\chi_5+0\cdot\chi_6+0\cdot\chi_7+0\cdot\chi_8+0\cdot\chi_9$ | 5 | $-1$ | 1 | $-1$ | 5 | 0 | 0 | 0 | 0 |
| $0\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+0\cdot\chi_5+1\cdot\chi_6+1\cdot\chi_7+0\cdot\chi_8+1\cdot\chi_9$ | 10 | $-2$ | 0 | 2 | $-10$ | 0 | 0 | 0 | 0 |
| $0\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+0\cdot\chi_5+0\cdot\chi_6+0\cdot\chi_7+1\cdot\chi_8+1\cdot\chi_9$ | 10 | 1 | 0 | $-1$ | $-10$ | 0 | 0 | 0 | 0 |
| $1\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+0\cdot\chi_5+0\cdot\chi_6+0\cdot\chi_7+0\cdot\chi_8+0\cdot\chi_9$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| $0\cdot\chi_1+1\cdot\chi_2+1\cdot\chi_3+0\cdot\chi_4+0\cdot\chi_5+0\cdot\chi_6+0\cdot\chi_7+0\cdot\chi_8+0\cdot\chi_9$ | 6 | 0 | $-2$ | 0 | 6 | 1 | $-1$ | 1 | $-1$ |
| $0\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+0\cdot\chi_5+0\cdot\chi_6+0\cdot\chi_7+0\cdot\chi_8+1\cdot\chi_9$ | 6 | 0 | 0 | 0 | $-6$ | 1 | $E(4)$ | $-1$ | $-E(4)$ |
| $0\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+0\cdot\chi_5+0\cdot\chi_6+0\cdot\chi_7+0\cdot\chi_8+1\cdot\chi_9$ | 6 | 0 | 0 | 0 | $-6$ | 1 | $-E(4)$ | $-1$ | $E(4)$ |

$P_1 = Group([()]) \cong 1$
$P_2 = Group([(2,8,11,15,7)(3,9,16,6,4)(10,18,23,19,14)(12,17,21,20,13)]) \cong$ C5

$N_1 = Group([(1,2,5,4)(3,6,8,7)(9,13,11,14)(10,15,12,16)(17,19,18,20)(21,24,23,22), (1,3,2)(4,5,8)(6,9,10)(7,11,12)(13,16,17)(14,15,18)(19,21,22)(20,23,24)]) \cong$ SL(2,5)
$N_2 = Group([(2,8,11,15,7)(3,9,16,6,4)(10,18,23,19,14)(12,17,21,20,13), (1,5)(2,3,11,16,7,4,8,9,15,6)(10,17,23,20,14,12,18,21,19,13)(22,24), (1,22,5,24)(2,10,4,12)(3,13,8,14)(6,17,7,18)(9,20,11,19)(15,23,16,21)]) \cong$ C5 : C4