The group G is isomorphic to the group labelled by [24, 5] in the Small Groups library.

Ordinary character table of $G \cong$ C4 x S3:

	1a	2a	4a	2b	3a	4b	2c	4c	12a	6a	4d	12b
χ_1	1	1	1	1	1	1	1	1	1	1	1	1
χ_2	1	-1	-1	1	1	1	-1	-1	-1	1	1	-1
χ_3	1	-1	1	1	1	-1	-1	1	1	1	-1	1
χ_4	1	1	-1	1	1	-1	1	-1	-1	1	-1	-1
χ_5	1	-1	$-E(4)$	-1	1	$E(4)$	1	$E(4)$	$-E(4)$	-1	$-E(4)$	$E(4)$
χ_6	1	-1	$E(4)$	-1	1	$-E(4)$	1	$-E(4)$	$E(4)$	-1	$E(4)$	$-E(4)$
χ_7	1	1	$-E(4)$	-1	1	$-E(4)$	-1	$E(4)$	$-E(4)$	-1	$E(4)$	$E(4)$
χ_8	1	1	$E(4)$	-1	1	$E(4)$	-1	$-E(4)$	$E(4)$	-1	$-E(4)$	$-E(4)$
χ_9	2	0	-2	2	-1	0	0	-2	1	-1	0	1
χ_{10}	2	0	2	2	-1	0	0	2	-1	-1	0	-1
χ_{11}	2	0	$-2*E(4)$	-2	-1	0	0	$2*E(4)$	$E(4)$	1	0	$-E(4)$
χ_{12}	2	0	$2*E(4)$	-2	-1	0	0	$-2*E(4)$	$-E(4)$	1	0	$E(4)$

Trivial source character table of $G \cong$ C4 x S3 at $p = 3$:

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	2a	4a	2b	4b	2c	4c	4d	1a	4a	2b	2a	4c	4b	2c	4d
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 1 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12}$	3	1	3	3	1	1	3	1	0	0	0	0	0	0	0	0
$0 \cdot \chi_1 + 1 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 1 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12}$	3	-1	-3	3	1	-1	-3	1	0	0	0	0	0	0	0	0
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 1 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 1 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12}$	3	-1	3	3	-1	-1	3	-1	0	0	0	0	0	0	0	0
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 1 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 1 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12}$	3	1	-3	3	-1	1	-3	-1	0	0	0	0	0	0	0	0
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 1 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 1 \cdot \chi_{11} + 0 \cdot \chi_{12}$	3	-1	$-3*E(4)$	-3	$E(4)$	1	$3*E(4)$	$-E(4)$	0	0	0	0	0	0	0	0
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 1 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 1 \cdot \chi_{12}$	3	-1	$3*E(4)$	-3	$-E(4)$	1	$-3*E(4)$	$E(4)$	0	0	0	0	0	0	0	0
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 1 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 1 \cdot \chi_{11} + 0 \cdot \chi_{12}$	3	1	$-3*E(4)$	-3	$-E(4)$	-1	$3*E(4)$	$E(4)$	0	0	0	0	0	0	0	0
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 1 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 1 \cdot \chi_{12}$	3	1	$3*E(4)$	-3	$E(4)$	-1	$-3*E(4)$	$-E(4)$	0	0	0	0	0	0	0	0
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12}$	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 1 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12}$	1	-1	1	1	-1	-1	1	-1	1	1	-1	-1	1	-1	-1	-1
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 1 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12}$	1	1	-1	1	-1	1	-1	-1	1	-1	1	1	-1	-1	1	-1
$0 \cdot \chi_1 + 1 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12}$	1	-1	-1	1	1	-1	-1	1	1	-1	1	-1	-1	1	-1	1
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 1 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12}$	1	-1	$-E(4)$	-1	$E(4)$	1	$E(4)$	$-E(4)$	1	$-E(4)$	-1	-1	$E(4)$	$E(4)$	1	$-E(4)$
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 1 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12}$	1	-1	$E(4)$	-1	$-E(4)$	1	$-E(4)$	$E(4)$	1	$E(4)$	-1	-1	$-E(4)$	$-E(4)$	1	$E(4)$
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 1 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12}$	1	1	$E(4)$	-1	$E(4)$	-1	$-E(4)$	$-E(4)$	1	$E(4)$	-1	1	$-E(4)$	$E(4)$	-1	$-E(4)$
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 1 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12}$	1	1	$-E(4)$	-1	$-E(4)$	-1	$E(4)$	$E(4)$	1	$-E(4)$	-1	1	$E(4)$	$-E(4)$	-1	$E(4)$

$P_1 = Group([()]) \cong 1$
$P_2 = Group([(1, 12, 5)(2, 16, 8)(3, 18, 10)(4, 19, 11)(6, 21, 14)(7, 22, 15)(9, 23, 17)(13, 24, 20)]) \cong$ C3

$N_1 = Group([(1, 2)(3, 6)(4, 7)(5, 16)(8, 12)(9, 13)(10, 21)(11, 22)(14, 18)(15, 19)(17, 24)(20, 23), (1, 3, 4, 9)(2, 6, 7, 13)(5, 10, 11, 17)(8, 14, 15, 20)(12, 18, 19, 23)(16, 21, 22, 24), (1, 4)(2, 7)(3, 9)(5, 11)(6, 13)(8, 15)(10, 17)(12, 19)(14, 20)(16, 22)(18, 23)(21, 24), (1, 5, 12)(2, 8, 16)(3, 10, 18)(4, 11, 19)(6, 14, 21)(7, 15, 22)(9, 17, 23)(13, 20, 24)]) \cong$ C4 x S3
$N_2 = Group([(1, 12, 5)(2, 16, 8)(3, 18, 10)(4, 19, 11)(6, 21, 14)(7, 22, 15)(9, 23, 17)(13, 24, 20), (1, 2)(3, 6)(4, 7)(5, 16)(8, 12)(9, 13)(10, 21)(11, 22)(14, 18)(15, 19)(17, 24)(20, 23), (1, 3, 4, 9)(2, 6, 7, 13)(5, 10, 11, 17)(8, 14, 15, 20)(12, 18, 19, 23)(16, 21, 22, 24)]) \cong$ C4 x S3