

The group G is isomorphic to the group labelled by [48, 30] in the Small Groups library.
 Ordinary character table of $G \cong A4 : C4$:

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

Trivial source character table of $G \cong A4 : C4$ at $p = 3$:

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

$P_1 = \text{Group}([()]) \cong 1$
 $P_2 = \text{Group}([(1, 14, 4)(2, 21, 8)(3, 25, 11)(5, 42, 16)(6, 29, 31)(7, 32, 18)(9, 46, 23)(10, 36, 38)(12, 47, 27)(13, 39, 41)(15, 17, 30)(19, 48, 34)(20, 43, 45)(22, 24, 37)(26, 28, 40)(33, 35, 44)]) \cong C3$

$N_1 = \text{Group}([(1, 2, 3, 7)(4, 21, 11, 32)(5, 10, 12, 20)(6, 9, 13, 19)(8, 25, 18, 14)(15, 37, 26, 44)(16, 36, 27, 43)(17, 24, 28, 35)(22, 40, 33, 30)(23, 39, 34, 29)(31, 46, 41, 48)(38, 47, 45, 42), (1, 3)(2, 7)(4, 11)(5, 12)(6, 13)(8, 18)(9, 19)(10, 20)(14, 25)(15, 26)(16, 27)(17, 28)(21, 32)(22, 33)(23, 34)(24, 35)(29, 39)(30, 40)(31, 41)(36, 43)(37, 44)(38, 45)(42, 47)(46, 48), (1, 4, 14)(2, 8, 21)(3, 11, 25)(5, 16, 42)(6, 31, 29)(7, 18, 32)(9, 23, 46)(10, 38, 36)(12, 27, 47)(13, 41, 39)(15, 30, 17)(19, 34, 48)(20, 45, 43)(22, 37, 24)(26, 40, 28)(33, 44, 35), (1, 5)(2, 9)(3, 12)(4, 15)(6, 17)(7, 19)(8, 22)(10, 24)(11, 26)(13, 28)(14, 29)(16, 31)(18, 33)(20, 35)(21, 36)(23, 38)(25, 39)(27, 41)(30, 42)(32, 43)(34, 45)(37, 46)(40, 47)(44, 48), (1, 6)(2, 10)(3, 13)(4, 16)(5, 17)(7, 20)(8, 23)(9, 24)(11, 27)(12, 28)(14, 30)(15, 31)(18, 34)(19, 35)(21, 37)(22, 38)(25, 40)(26, 41)(29, 42)(32, 44)(33, 45)(36, 46)(39, 47)(43, 48)]) \cong A4 : C4$
 $N_2 = \text{Group}([(1, 14, 4)(2, 21, 8)(3, 25, 11)(5, 42, 16)(6, 29, 31)(7, 32, 18)(9, 46, 23)(10, 36, 38)(12, 47, 27)(13, 39, 41)(15, 17, 30)(19, 48, 34)(20, 43, 45)(22, 24, 37)(26, 28, 40)(33, 35, 44), (1, 2, 3, 7)(4, 21, 11, 32)(5, 10, 12, 20)(6, 9, 13, 19)(8, 25, 18, 14)(15, 37, 26, 44)(16, 36, 27, 43)(17, 24, 28, 35)(22, 40, 33, 30)(23, 39, 34, 29)(31, 46, 41, 48)(38, 47, 45, 42)]) \cong C3 : C4$