The group G is isomorphic to the group labelled by [48, 3] in the Small Groups library.
Ordinary character table of $G \cong$ (C4 x C4) : C3:

	1a	2a	4a	4b	4c	4d	3a	3b
χ_1	1	1	1	1	1	1	1	1
χ_2	1	1	1	1	1	1	$E(3)$	$E(3)^2$
χ_3	1	1	1	1	1	1	$E(3)^2$	$E(3)$
χ_4	3	3	-1	-1	-1	-1	0	0
χ_5	3	-1	1	1	$-1-2*E(4)$	$-1+2*E(4)$	0	0
χ_6	3	-1	1	1	$-1+2*E(4)$	$-1-2*E(4)$	0	0
χ_7	3	-1	$-1+2*E(4)$	$-1-2*E(4)$	1	1	0	0
χ_8	3	-1	$-1-2*E(4)$	$-1+2*E(4)$	1	1	0	0

Trivial source character table of $G \cong$ (C4 x C4) : C3 at $p = 3$:

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

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

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