The group G is isomorphic to the group labelled by [336, 114] in the Small Groups library.
Ordinary character table of $G \cong$ SL(2,7):

	$1a$	$3a$	$7a$	$7b$	$4a$	$6a$	$8a$	$8b$	$14a$	$14b$	$2a$
χ_1	1	1	1	1	1	1	1	1	1	1	1
χ_2	3	0	$E(7)+E(7)^2+E(7)^4$	$E(7)^3+E(7)^5+E(7)^6$	-1	0	1	1	$E(7)+E(7)^2+E(7)^4$	$E(7)^3+E(7)^5+E(7)^6$	3
χ_3	3	0	$E(7)^3+E(7)^5+E(7)^6$	$E(7)+E(7)^2+E(7)^4$	-1	0	1	1	$E(7)^3+E(7)^5+E(7)^6$	$E(7)+E(7)^2+E(7)^4$	3
χ_4	4	1	$-E(7)-E(7)^2-E(7)^4$	$-E(7)^3-E(7)^5-E(7)^6$	0	-1	0	0	$E(7)+E(7)^2+E(7)^4$	$E(7)^3+E(7)^5+E(7)^6$	-4
χ_5	4	1	$-E(7)^3-E(7)^5-E(7)^6$	$-E(7)-E(7)^2-E(7)^4$	0	-1	0	0	$E(7)^3+E(7)^5+E(7)^6$	$E(7)+E(7)^2+E(7)^4$	-4
χ_6	6	0	-1	-1	2	0	0	0	-1	-1	6
χ_7	6	0	-1	-1	0	0	$-E(8)+E(8)^3$	$E(8)-E(8)^3$	1	1	-6
χ_8	6	0	-1	-1	0	0	$E(8)-E(8)^3$	$-E(8)+E(8)^3$	1	1	-6
χ_9	7	1	0	0	-1	1	-1	-1	0	0	7
χ_{10}	8	-1	1	1	0	-1	0	0	1	1	8
χ_{11}	8	-1	1	1	0	1	0	0	-1	-1	-8

Trivial source character table of $G \cong$ SL(2,7) at $p = 3$:

Normalisers N_i	N_1									N_2			
3-subgroups of G up to conjugacy in G	P_1									P_2			
Representatives $n_j \in N_i$	$1a$	$7a$	$7b$	$4a$	$8a$	$8b$	$14a$	$14b$	$2a$	$1a$	$4a$	$2a$	$4b$
$0\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+0\cdot\chi_5+1\cdot\chi_6+0\cdot\chi_7+0\cdot\chi_8+0\cdot\chi_9+0\cdot\chi_{10}+0\cdot\chi_{11}$	6	-1	-1	2	0	0	-1	-1	6	0	0	0	0
$0\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+0\cdot\chi_5+0\cdot\chi_6+0\cdot\chi_7+0\cdot\chi_8+1\cdot\chi_9+1\cdot\chi_{10}+0\cdot\chi_{11}$	15	1	1	-1	-1	-1	1	1	15	0	0	0	0
$0\cdot\chi_1+1\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+0\cdot\chi_5+0\cdot\chi_6+0\cdot\chi_7+0\cdot\chi_8+0\cdot\chi_9+0\cdot\chi_{10}+0\cdot\chi_{11}$	3	$E(7)+E(7)^2+E(7)^4$	$E(7)^3+E(7)^5+E(7)^6$	-1	1	1	$E(7)+E(7)^2+E(7)^4$	$E(7)^3+E(7)^5+E(7)^6$	3	0	0	0	0
$0\cdot\chi_1+0\cdot\chi_2+1\cdot\chi_3+0\cdot\chi_4+0\cdot\chi_5+0\cdot\chi_6+0\cdot\chi_7+0\cdot\chi_8+0\cdot\chi_9+0\cdot\chi_{10}+0\cdot\chi_{11}$	3	$E(7)^3+E(7)^5+E(7)^6$	$E(7)+E(7)^2+E(7)^4$	-1	1	1	$E(7)^3+E(7)^5+E(7)^6$	$E(7)+E(7)^2+E(7)^4$	3	0	0	0	0
$1\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+0\cdot\chi_5+0\cdot\chi_6+0\cdot\chi_7+0\cdot\chi_8+0\cdot\chi_9+1\cdot\chi_{10}+0\cdot\chi_{11}$	9	2	2	1	1	1	2	2	9	0	0	0	0
$0\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+0\cdot\chi_5+0\cdot\chi_6+0\cdot\chi_7+1\cdot\chi_8+0\cdot\chi_9+0\cdot\chi_{10}+0\cdot\chi_{11}$	6	-1	-1	0	$E(8)-E(8)^3$	$-E(8)+E(8)^3$	1	1	-6	0	0	0	0
$0\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+0\cdot\chi_5+0\cdot\chi_6+1\cdot\chi_7+0\cdot\chi_8+0\cdot\chi_9+0\cdot\chi_{10}+0\cdot\chi_{11}$	6	-1	-1	0	$-E(8)+E(8)^3$	$E(8)-E(8)^3$	1	1	-6	0	0	0	0
$0\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+1\cdot\chi_5+0\cdot\chi_6+0\cdot\chi_7+0\cdot\chi_8+0\cdot\chi_9+0\cdot\chi_{10}+1\cdot\chi_{11}$	12	$-E(7)-E(7)^2-2*E(7)^3-E(7)^4-2*E(7)^5-2*E(7)^6$	$-2*E(7)-2*E(7)^2-E(7)^3-2*E(7)^4-E(7)^5-E(7)^6$	0	0	0	$E(7)+E(7)^2+2*E(7)^3+E(7)^4+2*E(7)^5+2*E(7)^6$	$2*E(7)+2*E(7)^2+E(7)^3+2*E(7)^4+E(7)^5+E(7)^6$	-12	0	0	0	0
$0\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+1\cdot\chi_4+0\cdot\chi_5+0\cdot\chi_6+0\cdot\chi_7+0\cdot\chi_8+0\cdot\chi_9+0\cdot\chi_{10}+1\cdot\chi_{11}$	12	$-2*E(7)-2*E(7)^2-E(7)^3-2*E(7)^4-E(7)^5-E(7)^6$	$-E(7)-E(7)^2-2*E(7)^3-E(7)^4-2*E(7)^5-2*E(7)^6$	0	0	0	$2*E(7)+2*E(7)^2+E(7)^3+2*E(7)^4+E(7)^5+E(7)^6$	$E(7)+E(7)^2+2*E(7)^3+E(7)^4+2*E(7)^5+2*E(7)^6$	-12	0	0	0	0
$1\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+0\cdot\chi_5+0\cdot\chi_6+0\cdot\chi_7+0\cdot\chi_8+0\cdot\chi_9+0\cdot\chi_{10}+0\cdot\chi_{11}$	1	1	1	1	1	1	1	1	1	1	1	1	1
$0\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+0\cdot\chi_5+0\cdot\chi_6+0\cdot\chi_7+0\cdot\chi_8+1\cdot\chi_9+0\cdot\chi_{10}+0\cdot\chi_{11}$	7	0	0	-1	-1	-1	0	0	7	1	-1	1	-1
$0\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+1\cdot\chi_4+0\cdot\chi_5+0\cdot\chi_6+0\cdot\chi_7+0\cdot\chi_8+0\cdot\chi_9+0\cdot\chi_{10}+0\cdot\chi_{11}$	4	$-E(7)-E(7)^2-E(7)^4$	$-E(7)^3-E(7)^5-E(7)^6$	0	0	0	$E(7)+E(7)^2+E(7)^4$	$E(7)^3+E(7)^5+E(7)^6$	-4	1	$E(4)$	-1	$-E(4)$
$0\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+1\cdot\chi_5+0\cdot\chi_6+0\cdot\chi_7+0\cdot\chi_8+0\cdot\chi_9+0\cdot\chi_{10}+0\cdot\chi_{11}$	4	$-E(7)^3-E(7)^5-E(7)^6$	$-E(7)-E(7)^2-E(7)^4$	0	0	0	$E(7)^3+E(7)^5+E(7)^6$	$E(7)+E(7)^2+E(7)^4$	-4	1	$-E(4)$	-1	$E(4)$

$P_1 = Group([()]) \cong 1$
$P_2 = Group([(5,14,12)(6,13,9)(7,16,11)(8,15,10)]) \cong$ C3

$N_1 = Group([(1,2,4,3)(5,9,7,10)(6,11,8,12)(13,16,15,14),(2,5,6)(3,7,8)(9,13,14)(10,15,16)]) \cong$ SL(2,7)
$N_2 = Group([(5,14,12)(6,13,9)(7,16,11)(8,15,10),(1,2,4,3)(5,6,7,8)(9,16,10,14)(11,15,12,13)]) \cong$ C3 : C4