The group G is isomorphic to the group labelled by [42, 5] in the Small Groups library.
Ordinary character table of $G \cong$ D42:

	$1a$	$2a$	$3a$	$7a$	$21a$	$7b$	$21b$	$21c$	$7c$	$21d$	$21e$	$21f$
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	2	0	-1	2	-1	2	-1	-1	2	-1	-1	-1
χ_4	2	0	2	$E(7)^2+E(7)^5$	$E(7)^2+E(7)^5$	$E(7)^3+E(7)^4$	$E(7)^2+E(7)^5$	$E(7)^3+E(7)^4$	$E(7)+E(7)^6$	$E(7)^3+E(7)^4$	$E(7)+E(7)^6$	$E(7)+E(7)^6$
χ_5	2	0	2	$E(7)+E(7)^6$	$E(7)+E(7)^6$	$E(7)^2+E(7)^5$	$E(7)+E(7)^6$	$E(7)^2+E(7)^5$	$E(7)^3+E(7)^4$	$E(7)^2+E(7)^5$	$E(7)^3+E(7)^4$	$E(7)^3+E(7)^4$
χ_6	2	0	2	$E(7)^3+E(7)^4$	$E(7)^3+E(7)^4$	$E(7)+E(7)^6$	$E(7)^3+E(7)^4$	$E(7)+E(7)^6$	$E(7)^2+E(7)^5$	$E(7)+E(7)^6$	$E(7)^2+E(7)^5$	$E(7)^2+E(7)^5$
χ_7	2	0	-1	$E(7)^3+E(7)^4$	$E(21)^5+E(21)^{16}$	$E(7)+E(7)^6$	$E(21)^2+E(21)^{19}$	$E(21)^4+E(21)^{17}$	$E(7)^2+E(7)^5$	$E(21)^{10}+E(21)^{11}$	$E(21)^8+E(21)^{13}$	$E(21)+E(21)^{20}$
χ_8	2	0	-1	$E(7)^3+E(7)^4$	$E(21)^2+E(21)^{19}$	$E(7)+E(7)^6$	$E(21)^5+E(21)^{16}$	$E(21)^{10}+E(21)^{11}$	$E(7)^2+E(7)^5$	$E(21)^4+E(21)^{17}$	$E(21)+E(21)^{20}$	$E(21)^8+E(21)^{13}$
χ_9	2	0	-1	$E(7)^2+E(7)^5$	$E(21)^8+E(21)^{13}$	$E(7)^3+E(7)^4$	$E(21)+E(21)^{20}$	$E(21)^2+E(21)^{19}$	$E(7)+E(7)^6$	$E(21)^5+E(21)^{16}$	$E(21)^4+E(21)^{17}$	$E(21)^{10}+E(21)^{11}$
χ_{10}	2	0	-1	$E(7)^2+E(7)^5$	$E(21)+E(21)^{20}$	$E(7)^3+E(7)^4$	$E(21)^8+E(21)^{13}$	$E(21)^5+E(21)^{16}$	$E(7)+E(7)^6$	$E(21)^2+E(21)^{19}$	$E(21)^{10}+E(21)^{11}$	$E(21)^4+E(21)^{17}$
χ_{11}	2	0	-1	$E(7)+E(7)^6$	$E(21)^{10}+E(21)^{11}$	$E(7)^2+E(7)^5$	$E(21)^4+E(21)^{17}$	$E(21)^8+E(21)^{13}$	$E(7)^3+E(7)^4$	$E(21)+E(21)^{20}$	$E(21)^5+E(21)^{16}$	$E(21)^2+E(21)^{19}$
χ_{12}	2	0	-1	$E(7)+E(7)^6$	$E(21)^4+E(21)^{17}$	$E(7)^2+E(7)^5$	$E(21)^{10}+E(21)^{11}$	$E(21)+E(21)^{20}$	$E(7)^3+E(7)^4$	$E(21)^8+E(21)^{13}$	$E(21)^2+E(21)^{19}$	$E(21)^5+E(21)^{16}$

Trivial source character table of $G \cong$ D42 at $p = 7$:

Normalisers N_i	N_1			N_2		
p-subgroups of G up to conjugacy in G	P_1			P_2		
Representatives $n_j \in N_i$	$1a$	$2a$	$3a$	$1a$	$2a$	$3a$
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 1 \cdot \chi_4 + 1 \cdot \chi_5 + 1 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12}$	7	1	7	0	0	0
$0 \cdot \chi_1 + 1 \cdot \chi_2 + 0 \cdot \chi_3 + 1 \cdot \chi_4 + 1 \cdot \chi_5 + 1 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12}$	7	-1	7	0	0	0
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 1 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 1 \cdot \chi_7 + 1 \cdot \chi_8 + 1 \cdot \chi_9 + 1 \cdot \chi_{10} + 1 \cdot \chi_{11} + 1 \cdot \chi_{12}$	14	0	-7	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
$0 \cdot \chi_1 + 1 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12}$	1	-1	1	1	-1	1
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 1 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12}$	2	0	-1	2	0	-1

$P_1 = Group([()]) \cong 1$
$P_2 = Group([(1,4,9,15,21,27,33)(2,6,12,18,24,30,36)(3,8,14,20,26,32,38)(5,11,17,23,29,35,40)(7,13,19,25,31,37,41)(10,16,22,28,34,39,42)]) \cong C7$

$N_1 = Group([(1,2)(3,10)(4,36)(5,7)(6,33)(8,42)(9,30)(11,41)(12,27)(13,40)(14,39)(15,24)(16,38)(17,37)(18,21)(19,35)(20,34)(22,32)(23,31)(25,29)(26,28), (1,3,7)(2,5,10)(4,8,13)(6,11,16)(9,14,19)(12,17,22)(15,20,25)(18,23,28)(21,26,31)(24,29,34)(27,32,37)(30,35,39)(33,38,41)(36,40,42), (1,4,9,15,21,27,33)(2,6,12,18,24,30,36)(3,8,14,20,26,32,38)(5,11,17,23,29,35,40)(7,13,19,25,31,37,41)(10,16,22,28,34,39,42)]) \cong D42$
$N_2 = Group([(1,4,9,15,21,27,33)(2,6,12,18,24,30,36)(3,8,14,20,26,32,38)(5,11,17,23,29,35,40)(7,13,19,25,31,37,41)(10,16,22,28,34,39,42), (1,2)(3,10)(4,36)(5,7)(6,33)(8,42)(9,30)(11,41)(12,27)(13,40)(14,39)(15,24)(16,38)(17,37)(18,21)(19,35)(20,34)(22,32)(23,31)(25,29)(26,28), (1,3,7)(2,5,10)(4,8,13)(6,11,16)(9,14,19)(12,17,22)(15,20,25)(18,23,28)(21,26,31)(24,29,34)(27,32,37)(30,35,39)(33,38,41)(36,40,42)]) \cong D42$