$L_2(49).2_3 \pmod 3$

	blocks	defect	matrix
$G:$	1	1	3×2
	2	1	3×2
	3	1	3×1
	4	0	$96_1 = \chi_{4+}, \varphi_{4+}$
	5	0	$96_2 = \chi_{6+}, \varphi_{6+}$
	6	0	$96_3 = \chi_{8+}, \varphi_{8+}$

	blocks	defect	matrix
	7	0	$96_4 = \chi_{10+}, \varphi_{10+}$
	8	0	$96_5 = \chi_{12+}, \varphi_{12+}$
	9	0	$96_6 = \chi_{14+}, \varphi_{14+}$
	10	1	3×2
	11	1	3×2
	12	1	3×2

Block 1:	$\varphi_{1,0}$	$\varphi_{16,0}$
$1_1 = \chi_{1,0}$	1	.
$49_1 = \chi_{16,0}$	.	1
$50_2 = \chi_{17,0}$	1	1

$$\varphi_{1,0} = 1_1$$
$$\varphi_{16,0} = 49_1$$

Block 2:	$\varphi_{1,1}$	$\varphi_{16,1}$
$1_2 = \chi_{1,1}$	1	.
$49_2 = \chi_{16,1}$	.	1
$50_3 = \chi_{17,1}$	1	1

$$\varphi_{1,1} = 1_2$$
$$\varphi_{16,1} = 49_2$$

Block 3:	φ_{2+}
$50_1 = \chi_{2+}$	1
$50_6 = \chi_{19,0}$	1
$50_7 = \chi_{19,1}$	1

$$\varphi_{2+} = 50_1$$

Block 10:	$\varphi_{17,0}$	$\varphi_{17,1}$
$50_4 = \chi_{18,0}$	1	.
$50_5 = \chi_{18,1}$	.	1
$100_1 = \chi_{22+}$	1	1

$$\varphi_{17,0} = 50_2$$
$$\varphi_{17,1} = 50_3$$

Block 11:	$\varphi_{19,0}$	$\varphi_{19,1}$
$50_8 = \chi_{20,0}$	1	.
$50_9 = \chi_{20,1}$	.	1
$100_3 = \chi_{26+}$	1	1

$$\varphi_{19,0} = 50_6$$
$$\varphi_{19,1} = 50_7$$

Block 12:	$\varphi_{18,0}$	$\varphi_{18,1}$
$50_{10} = \chi_{21,0}$	1	.
$50_{11} = \chi_{21,1}$	.	1
$100_2 = \chi_{24+}$	1	1

$$\begin{aligned} \varphi_{18,0} &= 50_4 \\ \varphi_{18,1} &= 50_5 \end{aligned}$$