Little ZŁY

- Gravity 7.3 BLG
- ABV ----
- IBU **31**
- SRM **6.7**
- Style Rye IPA

Batch size

- Expected quantity of finished beer 23 liter(s)
- Trub loss 5 %
- Size with trub loss 25.3 liter(s)
- · Boil time 60 min
- Evaporation rate 10 %/h
- Boil size 30.4 liter(s)

Mash information

- Mash efficiency 80 %
- Liquor-to-grist ratio 3 liter(s) / kg Mash size 8.7 liter(s)
- Total mash volume 11.6 liter(s)

Steps

- Temp 68 C, Time 35 min
 Temp 72 C, Time 45 min

Mash step by step

- Heat up 8.7 liter(s) of strike water to 76C
- Add grains
- Keep mash 35 min at 68C
- Keep mash 45 min at 72C
- Sparge using 24.6 liter(s) of 76C water or to achieve 30.4 liter(s) of wort

Fermentables

Туре	Name	Amount	Yield	EBC
Grain	Pilzneński	1.7 kg <i>(58.6%)</i>	81 %	4
Grain	Żytni	1 kg <i>(34.5%)</i>	85 %	8
Grain	Karmelowy żytni Strzegom	0.2 kg <i>(6.9%)</i>	75 %	150

Hops

Use for	Name	Amount	Time	Alpha acid
Mash	Citra	15 g	60 min	13.5 %
Boil	Citra	20 g	15 min	13.5 %
Boil	Cascade	20 g	10 min	7.7 %
Boil	Citra	25 g	5 min	13.5 %
Dry Hop	Citra	45 g	5 day(s)	13.5 %

Yeasts

Name	Туре	Form	Amount	Laboratory
Safale S-04	Ale	Dry	11.5 g	Fermentis

Extras

Гуре Name	Amount	Use for	Time
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14/- L 4 L	Chlanali Mannia	г	Dail	CO!
Water Agent	l Chlorek Wapnia	150	l Boil	l 60 min
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