

## Risik

- Gravity **27.9 BLG**
- ABV **13.4 %**
- IBU **59**
- SRM **46.2**
- Style **Russian Imperial Stout**

### Batch size

- Expected quantity of finished beer **25 liter(s)**
- Trub loss **5 %**
- Size with trub loss **26.3 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **31.7 liter(s)**

### Mash information

- Mash efficiency **80 %**
- Liquor-to-grist ratio **2.5 liter(s) / kg**
- Mash size **33.1 liter(s)**
- Total mash volume **46.4 liter(s)**

### Fermentables

Type	Name	Amount	Yield	EBC
Grain	Strzegom Wiedeński 1 2 3	3 kg (22.6%)	85 %	10
Grain	Strzegom Monachijski typ II d	3 kg (22.6%)	85 %	22
Grain	Viking Pale Ale malt d	4 kg (30.2%)	85 %	5
Grain	Wędzony bukiem Viking Malt d	1 kg (7.5%)	82 %	10
Grain	Płatki żytnie	1 kg (7.5%)	85 %	3
Grain	Strzegom Karmel 600	0.5 kg (3.8%)	68 %	601
Grain	Strzegom Czekoladowy ciemny	0.5 kg (3.8%)	68 %	1200
Grain	Strzegom Barwiący	0.25 kg (1.9%)	68 %	1300

### Hops

Use for	Name	Amount	Time	Alpha acid
Boil	lunga	80 g	90 min	12.4 %
Aroma (end of boil)	Marynka	60 g	10 min	8.1 %

### Notes

- 18l : 23.5-24blg : RIS  
23l : 13 blg Nie wiem co za piwo to bedzie  
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