

## koris

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- Gravity **24.2 BLG**
- ABV **11.2 %**
- IBU **45**
- SRM **41.1**
- Style **Russian Imperial Stout**

### Batch size

- Expected quantity of finished beer **30 liter(s)**
- Trub loss **5 %**
- Size with trub loss **31.5 liter(s)**
- Boil time **90 min**
- Evaporation rate **10 %/h**
- Boil size **39.7 liter(s)**

### Mash information

- Mash efficiency **80 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **39 liter(s)**
- Total mash volume **52 liter(s)**

### Fermentables

Type	Name	Amount	Yield	EBC
Grain	Pilzneński	10 kg (71.4%)	81 %	4
Grain	Strzegom Karmel 150	0.5 kg (3.6%)	75 %	150
Grain	Caramunich® typ I	0.5 kg (3.6%)	73 %	80
Grain	Weyermann Caramunich 3	0.5 kg (3.6%)	76 %	150
Grain	Strzegom Karmel 600	0.5 kg (3.6%)	68 %	601
Grain	Weyermann - Carafa I	0.5 kg (3.6%)	70 %	690
Adjunct	glukoza	1 kg (7.1%)	--- %	---
Grain	Jęczmień palony	0.5 kg (3.6%)	55 %	985

### Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Ekuanoot	60 g	60 min	12.8 %
Boil	Lublin (Lubelski)	90 g	13 min	5.3 %

### Yeasts

Name	Type	Form	Amount	Laboratory
Safale S-04	Ale	Slant	500 ml	Safale