

# riss

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- Gravity **23.3 BLG**
- ABV **10.7 %**
- IBU **46**
- SRM **63.7**
- Style **Russian Imperial Stout**

## Batch size

- Expected quantity of finished beer **15.5 liter(s)**
- Trub loss **10 %**
- Size with trub loss **17.1 liter(s)**
- Boil time **90 min**
- Evaporation rate **25 %/h**
- Boil size **26.7 liter(s)**

## Mash information

- Mash efficiency **80 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **24 liter(s)**
- Total mash volume **32 liter(s)**

## Fermentables

| Type  | Name                          | Amount        | Yield | EBC  |
|-------|-------------------------------|---------------|-------|------|
| Grain | Fawcett - Crystal             | 1 kg (12.5%)  | 70 %  | 160  |
| Grain | Viking Pale Ale malt          | 6 kg (75%)    | 80 %  | 5    |
| Grain | Weyermann - Carafa II special | 0.5 kg (6.3%) | 70 %  | 1150 |
| Grain | Jęczmień palony               | 0.5 kg (6.3%) | 55 %  | 1400 |

## Hops

| Use for | Name   | Amount | Time   | Alpha acid |
|---------|--------|--------|--------|------------|
| Boil    | Simcoe | 45 g   | 60 min | 12.1 %     |

## Yeasts

| Name                      | Type | Form  | Amount | Laboratory       |
|---------------------------|------|-------|--------|------------------|
| FM13 Irlandzkie Ciemności | Ale  | Slant | 200 ml | Fermentum Mobile |