

#28 Xmas RIS #3

- Gravity **24.2 BLG**
- ABV **11.2 %**
- IBU **47**
- SRM **48.2**
- Style **Russian Imperial Stout**

Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **5 %**
- Size with trub loss **21 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **25.3 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **2.7 liter(s) / kg**
- Mash size **28.2 liter(s)**
- Total mash volume **38.6 liter(s)**

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|------------------------------|-----------------|--------|------|
| Grain | Viking Pale Ale malt | 3.3 kg (31.6%) | 80 % | 5 |
| Grain | Strzegom Pilzneński | 3.3 kg (31.6%) | 80 % | 4 |
| Grain | Strzegom Monachijski typ II | 2.43 kg (23.3%) | 79 % | 22 |
| Grain | Jęczmień palony | 0.65 kg (6.2%) | 55 % | 985 |
| Grain | Weyermann - Chocolate Wheat | 0.1 kg (1%) | 74 % | 788 |
| Grain | Carafa III | 0.16 kg (1.5%) | 70 % | 1034 |
| Grain | Weyermann - Chocolate Rye | 0.14 kg (1.3%) | 20 % | 493 |
| Grain | Weyermann - Caramel Rye Malt | 0.15 kg (1.4%) | 74 % | 175 |
| Grain | Special B Castle | 0.11 kg (1.1%) | 70 % | 350 |
| Grain | Castle Cafe | 0.1 kg (1%) | 75.5 % | 480 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------|--------|--------|--------|------------|
| Boil | Magnum | 50 g | 60 min | 13.5 % |

Yeasts

| Name | Type | Form | Amount | Laboratory |
|--------------------------------|------|------|--------|-----------------|
| Mangrove Jack's M12 Voss Kveik | Ale | Dry | 10 g | Mangrove Jack's |

Extras

| Type | Name | Amount | Use for | Time |
|-----------------------|----------------|--------|-----------|----------|
| Spice | Śliwka wędzona | 400 g | Secondary | 5 day(s) |
| Macerat w 500ml wódki | | | | |

| | | | | |
|-----------------------|-------------------|-------|-----------|----------|
| Spice | Ziarna kakaowca | 100 g | Secondary | 5 day(s) |
| Macerat w 500ml wódki | | | | |
| Spice | Cynamon cejloński | 10 g | Secondary | 5 day(s) |
| Macerat w 500ml wódki | | | | |