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DEPARTMENT: ANIMAL PRODUCTIONS AND PUBLIC HEALTH

DISCIPLINE: INSPECTION AND CONTROL OF ANIMAL DERIVED FOOD PRODUCTS

Course responsible teacher: Professor Mara GEORGESCU, DVM, PhD

TOPICS AND REFERENCES

No.	Subject	Reference
1	Detection of <i>Trichinella spiralis</i> in meat - the official reference method	- Regulation (EU) 1375/2015 - Mara Georgescu , Animal derived food inspection and control, CD Press, ISBN 978-606-528-438-8, pag. 448-462, 2018.
2	Laboratory analysis of meat, meat products, fish and fish products:	- Mara Georgescu , Animal derived food - laboratory analysis, CD Press, ISBN, pag. 131-298, 2019. - FSSAI (2012), pag. 3-55
	- Determination of moisture	
	- Determination of total fat	
	- Determination of total protein	
	- Determination of nitrites	
	- Determination of sodium chloride	
	- Determination of pH	
	- Determination of total volatile basic nitrogen (TVBN)	Regulation(EC) No 2406/96
3	Assessment of fish freshness according to Council Regulation(EC) No 2406/96:	
4	Laboratory analysis of milk and dairy products	- Mara Georgescu , Animal derived food - laboratory analysis, CD Press, ISBN, pag. 397-549, 2019. - FSSAI (2015), pag. 7-183
	- Determination of total solids	
	- Determination of fat - Gerber method	
	- Determination of milk protein - Kjeldahl method	
	- Determination of lactose - colorimetric method	
	- Test for presence of formalin, hydrogen peroxide, neutralizers used as adulterants	
	- Detection of sodium chloride	
	- Detection of starch	- Mara Georgescu , Animal derived food - laboratory analysis, CD Press, ISBN, pag. 344-546, 352-355, 2019. - IHC (2019), pag. 1-26
	- Determination of titratable acidity	
5	Laboratory analysis of honey	
	- Determination of moisture, refractometric method	
	- Determination of pH and free acidity	

References:

1. **Mara Georgescu**, Animal derived food inspection and control, CD Press, ISBN 978-606-528-438-8, pag. 448-462, 2018.
2. **Mara Georgescu**, Animal derived food - laboratory analysis, CD Press, ISBN, 585 pag., 2019.
3. Commission Implementing Regulation (EU) 2015/1375 of 10 August 2015 laying down specific rules on official controls for Trichinella in meat
4. FSSAI (2012). Manual of methods of analysis of foods. Meat and meat products & Fish and fish products. FSSAI, Dew Dehli, 2012. Available at <https://old.fssai.gov.in/Portals/0/Pdf/15Manuals/MEAT%20AND%20FISH.pdf>
5. FSSAI (2015). Manual of methods of analysis of foods. Milk and milk products. FSSAI, Dew Dehli, 2015. Available at https://old.fssai.gov.in/Portals/0/Pdf/Draft_Manuals/MILK_AND_MILK_PRODUCTS.pdf
6. Council Regulation(EC) No 2406/96 of 26 November 1996 laying down common marketing standards for certain fishery products.
7. IHC (2019). International Honey Commission - "Harmonized methods of the International Honey Commission", Available at <http://www.ihc-platform.net/ihcmethods2009.pdf>

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